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(SHORT TITLE: AES T&R MANUAL)

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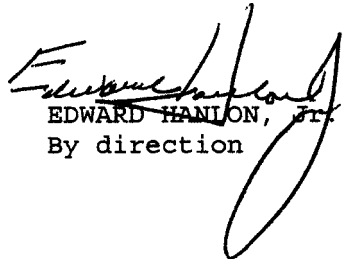
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1. Purpose. To publish policies, procedures and standards regarding the training of the AES per reference (a).
2. Cancellation. T&R Manual, MCO P3500.29, Volume 7: Chapters 1,2,3 and 6.
3. Action. Commanders will ensure that the AES crewmember's training, qualifications, and certifications are accomplished per the instructions and guidance in this Manual. This order prescribes a unique template to provide the aviation commander with standardized programs of instruction. As such, this order deviates from the Five Paragraph Order Format directed by MCO 5215.1H.
3. Recommendations. Recommended changes to this order are invited, and will be submitted via the syllabus sponsor and the appropriate chain of command to: Commanding General, Training Command (C 4610), Marine Corps Combat Development Command, 3300 Russell Road, Quantico, VA 22134-5001.
4. Reserve Applicability. This Manual is applicable to the Marine Corps Reserve.
5. Certification. Reviewed and approved this date.

  
EDWARD HANLON, Jr.  
By direction

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ENCLOSURE (1)

AES T&R MANUAL

RECORD OF CHANGES

Log completed change action as indicated.

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CHAPTER 1

AIRCRAFT RESCUE AND FIREFIGHTING (ARFF) SPECIALIST

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CHAPTER 1

AIRCRAFT RESCUE AND FIREFIGHTING (ARFF) SPECIALIST

100. INTRODUCTION

1. The purpose of the Marine Aviation Training and Readiness (T&R) Program is to provide the commander with standardized programs of instruction for all aviation personnel. The goal is to develop unit WARFIGHTING capabilities, not to measure the proficiency of individuals. Syllabi are based on specific performance standards designed to ensure proficiency in core competencies. An effective T&R program is the first step in providing the MAGTF Commander with an Aviation Combat Element (ACE) capable of accomplishing any and all of its stated missions. The T&R program provides the fundamental tools for commanders to build and maintain unit combat readiness. Using these tools, unit training managers can construct and execute an effective training plan which supports the unit's mission essential tasks.

2. Unit training management is the application of the Marine Corps Training Principles and the Systems Approach to Training to satisfy the training requirements of Commanders at all levels to accomplish their wartime missions. Guidance concerning unit training management and the process for establishing effective unit training management programs are contained in MCRP 3-0A, Unit Training Management Guide, and form the basis for the development of this T&R Manual. Familiarity with MCRP 3-0A will enhance understanding of the Systems Approach to Training used in T&R development and Marine Corps UTM principles.

3. The Marine Corps Combat Readiness Evaluation System (MCCRES) and the T&R program are inextricably linked. The events contained within the T&R syllabus provide the basis of individual and collective skills, which enable units to satisfy the requirements as, outlined in their applicable volume of the MCCRES.

101. MISSION. To provide aircraft and structural fire protection to the ACE commander in support of MAGTF operations.

1. Mission Essential Task List

a. Reduce potential for loss of life and damage to government property, through assignment of qualified personnel and training of supporting agencies.

b. Provide immediate response/fire suppression capability for aircraft mishaps on or near air base facilities and Forward Operating Bases (FOBS).

c. Provide first responder medical support as required until advanced medical personnel/equipment arrive.

d. Mitigate Hazardous Materials incidents within assigned area of responsibility.

e. Provide structural fire fighting support at the air base and/or base camp.

2. ARFF Core Capability. A core capable ARFF section provides incident command, immediate response of fire suppression equipment and trained/qualified personnel to mitigate life threatening incidents, on or in the immediate vicinity of an air base/FOB, in support of the Aviation Combat Element (ACE).

102. SUMMARY/INDEX OF LIVE/SIMULATED EVENTS. Tables 1-1 thru 1-4 list the ARFF Specialist, MOS 7051, Combat Capable, Combat Ready, Combat Qualification and Full Combat Qualification training events with associated page numbers.

NOTE: *Level 100 specific training events/instruction will be conducted at the Louis F. Garland Fire Academy San Angelo, Texas as outlined by the school's most current approved POI.*

Table 1-1.--ARFF Specialist Combat Capable Training List.

EVENT	GOAL	PAGE
ORNT-101	Fire Fighter Orientation.	1-14
ORNT-102	Fire Protection, Organization and Safety.	1-14
FFSCI-103	Fire Behavior.	1-15
FFCOM-110	Fire Alarm and Communication (Dispatch).	1-15
BPLN-111	Building Construction.	1-16
FFEDU-112	Fire Prevention.	1-17
EMS-120	Becoming a First Responder.	1-17
EMS-121	Scene and Patient Assessment.	1-18
EMS-122	Airway Management.	1-18
CPR-123	Circulation and CPR.	1-19
EMS-124	Illness and Injury.	1-20
EMS-125	Children and Childbirth.	1-20
PPE-130	Personal Protective Equipment.	1-21
RES-135	Forcible Entry.	1-22
SRCH-136	Search Procedures and Vehicle Extrication.	1-22
FFEQP-137	Ropes & Knots and Ladders.	1-24
VENT-138	Ventilation Practices.	1-25
RES-139	Miscellaneous Rescue.	1-25
FFAPP-140	Water Supplies, Fire Hose, and Fire Streams.	1-26
SAL-145	Salvage and Overhaul.	1-28
FFOPS-150	Fire Control.	1-29
HAZMAT-160	Awareness Level - Analyzing and Implementing the Incident.	1-30
HAZMAT-161	Operations Level Part I - Analyzing the Incident.	1-31
HAZMAT-162	Operations Level Part I - Planning the Response.	1-32
HAZMAT-163	Operations Level Part II - Planning and Implementing the Response.	1-33
HAZMAT-164	Competencies - Evaluating Progress.	1-33
ACFAM-170	Aircraft and Airport Familiarization.	1-34

EVENT	GOAL	PAGE
FFPRNC-175	Aircraft Response and Fire Fighting Principles.	1-34
ACRES-176	Aircraft Rescue Procedures.	1-35
FFVEH-177	Aircraft Rescue and Fire Fighting Vehicles.	1-36
ARFF-178	Live Aircraft Fire Training.	1-37
GRAD-180	Course Feedback and Graduation.	1-38
ECA-181	End-of-Course Appointment (MT).	1-38

Table 1-2.--ARFF Specialist Combat Readiness Training List.

EVENT	GOAL	PAGE
NATOPS-200	Perform to standards required as a First Responder.	1-39
NATOPS-201	Perform emergency equipment operation and maintenance.	1-39
NATOPS-202	Locate mishap site on a grid map.	1-40
NATOPS-203	Identify characteristics of a given aircraft.	1-40
NATOPS-204	Suppress an aircraft fire and/or emergency.	1-41
NATOPS-205	Suppress a structural fire and/or emergency.	1-41
NATOPS-206	Perform the duties of an emergency services dispatcher.	1-41
FFOPS-210	Perform the duties of a turret operator.	1-42
FFOPS-211	Perform the duties of a handline operator.	1-42
FFOPS-212	Perform fire fighting support operations utilizing assigned fire fighting apparatus.	1-43
FFOPS-213	Perform the duties of a Twin Agent unit crewmember.	1-43
FFOPS-214	Perform aircrew and passenger rescue on assigned aircraft.	1-43
FFOPS-215	Conduct Hazardous Materials response at the HAZMAT Operations level.	1-44
FFOPS-216	Perform emergency operations involving ordnance.	1-44
DROPS-217	Obtain a major fire fighting or support vehicle operators license.	1-44
EMT-218	Perform duties as an EMT.	1-45
SUP-220	Operate and maintain assigned T/E Self Contained Breathing Apparatus (SCBA).	1-45
SUP-221	Perform the duties of an initial response Incident Commander.	1-46
SUP-222	Conduct both formal and informal training of assigned personnel.	1-46
SUP-223	Inspect assigned firefighting and rescue personnel and operational areas.	1-46
MGMT-230	Supervise unit's Preventive Maintenance program.	1-47
MGMT-231	Prepare Firefighting and Rescue equipment for embarkation by land, sea, or air.	1-47

EVENT	GOAL	PAGE
MGMT-232	Prepare Quality Deficiency Reports.	1-48
MGMT-233	Prepare materials reports and forms.	1-48
MGMT-234	Monitor and control the Respiratory Protection Program.	1-48
MGMT-235	Supervise required programs necessary to maintain firefighting and rescue organizations.	1-49
MGMT-236	Prepare budget requirements to maintain firefighting and rescue organization.	1-49
MGMT-237	Manage the organizational training program.	1-50
MGMT-238	Maintain vehicle and firefighting equipment engineer records.	1-50

Table 1-3.--ARFF Specialist Combat Qualification Training List.

EVENT	GOAL	PAGE
SLDR-302	Perform the duties of a Section Leader.	1-51
SUP-320	Perform the duties of Fire Inspector I.	1-52
SUP-321	Conduct fire extinguisher training.	1-52
SUP-322	Inspect assigned fire fighting and rescue personnel and operational and functional areas.	1-52
SUP-323	Perform the duties of Hazardous Materials Technician.	1-53
MGMT-330	Identify equipment and personnel requirements for Forward Base Operations.	1-53
MGMT-331	Prepare Standing Operating Procedures for firefighting and rescue.	1-54
MGMT-332	Establish aviation and structural firefighting and rescue duty sections.	1-54
MGMT-333	Prepare a Disaster Control/Crash Bill for firefighting and rescue operations.	1-54
MGMT-334	Establish required programs necessary to maintain firefighting and rescue organizations.	1-55
MGMT-335	Develop budget requirements to maintain firefighting and rescue organization.	1-55
MGMT-336	Conduct the administrative duties required to maintain firefighting and rescue organizations.	1-56
MGMT-337	Coordinate all phases of firefighting and rescue operations.	1-56

Table 1-4.--ARFF Specialist Full Combat Qualification Training List.

EVENT	GOAL	PAGE
FF-400	Performs specialized rescue operations.	1-57
FF-401	Perform shipboard aviation firefighting operations.	1-58
SUP-420	Perform the duties of a Fire Inspector II.	1-58
SUP-421	Perform the duties of a Hazardous Materials instructor.	1-59

### 103. UNIT TRAINING POLICIES

1. The unit's training program emphasizes qualifications and the overall combat readiness of the unit. Individual training serves as the building block for overall unit readiness. However, unit training must not be compromised for the training of a select, few individuals. Squadron and battalion commanding officers will ensure that this training philosophy is implemented. Unit training must predominate, and squadrons must tailor their training plans to ensure unit combat readiness.

2. The training of Marines to perform as an integral aviation unit in combat lies at the heart of the T&R program. Unit readiness and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform those critical skills required in combat is essential.

3. Commanders shall ensure that all tactical training is conducted to a MCCRES standard. The MCCRES, as outlined in MCO P3501.1, is the unit training standard, and all syllabus events shall be tailored to meet MCCRES requirements. Commanders at all levels are responsible for effective aviation training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be overemphasized.

4. Commanders must be cognizant of the numerous factors affecting unit training on a daily basis. Factors which all commanders must address include, but are not limited to:

a. Efficiency. Time and resources expended are measurements for training efficiency. Commanders must ensure that all training increases combat readiness. Unit personnel shall thoroughly plan and effectively execute training to maximize the return on their time and effort.

b. Individual Differences. Commanders must recognize the differences inherent in each individual and should mold flexible training programs to accommodate those differences.

c. Decentralization of Training. The lowest echelon possible shall be responsible for conducting training. Each senior level of command must monitor subordinate levels to ensure safe and efficient training.

5. Commanders shall provide personnel the opportunities to attend formal and operational level courses of instruction as required by this Manual. Attendance at all formal courses must enhance the warfighting capabilities of the unit.

6. Risk Management. Operational Risk Management (ORM) is a process to aid commanders in accomplishing their missions while protecting the force. Commanders, leaders, maintainers, planners and schedulers should integrate risk assessment in the decision making process and implement hazard controls to eliminate risk or reduce it to acceptable level.

104. AIRCRAFT RESCUE AND FIREFIGHTING SPECIALIST TRAINING PROGRESSION PHILOSOPHY. The majority of Aircraft Rescue and Firefighting syllabi is ground training which requires in-depth integration with other emergency responders within the DoD and the local community. The purpose of this Manual is to ensure personnel are trained in the areas of aerospace and structural firefighting and rescue. Typical duties include operating, servicing, inspecting and testing aircraft/structural firefighting and rescue equipment; instructing personnel in the techniques and procedures of rescue, fighting aircraft/structural fires and salvage operations involving all types of DoD aircraft.

105. AIRCRAFT RESCUE AND FIREFIGHTING SPECIALIST TRAINING PROGRESSION MODEL

1. The Training Progression Model for the Aircraft Rescue and Firefighting Specialist is depicted in figure 1-1.
2. This model depicts the **logical progression of qualifications** within a unit. The base of each model contains those qualifications an individual attains at the MOS-qualifying school. The highest tier of the progression model will contain those qualifications held by only the most experienced personnel within a unit.
3. The Combat Capable tier will in most cases be accomplished at the completion of initial MOS skills training. With successful completion of the combat capable tier, unit personnel are assigned basic MOS qualification and progress to the Combat Ready tier.
4. On the Combat Ready tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take the individual who has completed initial MOS skills training and make him or her proficient in core competencies. With successful completion of the combat ready tier, unit personnel move to the Combat Qualification tier.
5. The Combat Qualification tier will be that portion of the model that produces combat leaders and fully qualified crewmembers. The personnel that are being trained in the combat qualification tier are those Marines whom a commanding officer feels are capable of directing the actions of subordinates during wartime scenarios.
6. The Full Combat Qualification tier will contain special skills and qualifications. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but rather are those for which a certain number of trained individuals or crews must be maintained to accomplish special missions or tasks.
7. In some cases, higher echelon supervisory position training and qualifications may be reflected where the development of a separate T&R syllabus is not practical or warranted. These personnel are the most experienced personnel within a unit. They are expected to display the maturity and tactical acumen commensurate with this status on a daily basis, and assist the commanding officer with oversight of the unit training program.
8. The unit's training progression model provides training officers with a valuable tool to develop training plans. With a clear progression of qualifications delineated, and an emphasis on the qualification of combat capable and combat ready personnel, training officers have the ability to produce viable training plans. Units will use the model as a point of departure to generate weekly, monthly, quarterly and annual training plans.

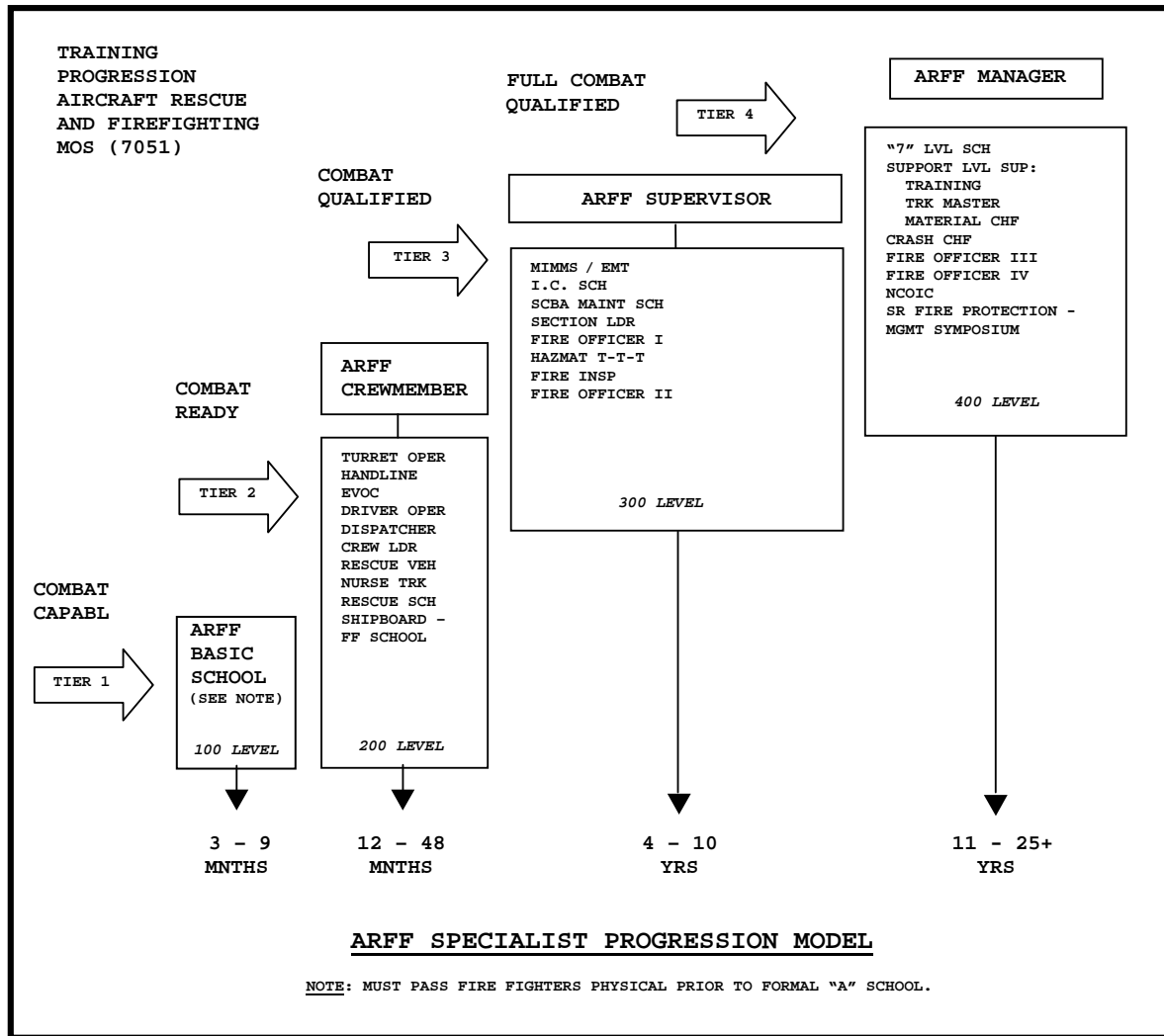


Figure 1-1.--ARFF Specialist Progression Model.

106. SPECIAL DESIGNATIONS

Table 1-5.--ARFF Special Designations.

WEEKS	COURSE / PHASE	ACTIVITY
14	Aircraft/Structural Fire Fighter	DoD Joint Fire Protection Academy
3	Rescue Technician	DoD Joint Fire Protection Academy
1	Fire Inspector I	DoD Joint Fire Protection Academy CDC/or local DoD approved schools
1	Fire Inspector II	DoD Joint Fire Protection Academy CDC/or local DoD approved schools
1	Fire Officer I	CDC/or local DoD approved schools
1	Fire Officer II	DoD Joint Fire Protection Academy CDC/or local DoD approved schools
2	Fire Officer III	DoD Joint Fire Protection Academy CDC/or local DoD approved schools
2	Fire Officer IV	DoD Joint Fire Protection Academy CDC/or local DoD approved schools
1	Fire Instructor I	CDC/or local DoD approved schools
1	Fire Instructor II	DoD Joint Fire Protection Academy CDC/or local DoD approved schools
1	Fire Instructor III	DoD Joint Fire Protection Academy CDC/or local DoD approved schools
4	Hazard Materials Train-the-Trainer	DoD Joint Fire Protection Academy
1	Respiratory Protection Manager	Naval Safety Training center <u>or</u> local DoD approved schools
4	Emergency Medical Technician	Local Naval Hospital or Nationally recognized Training facility
2	Shipboard Fire Fighting Course	NAS Pensacola, FL.
1	ATLASS Program	Local Squadron MMO

110. GROUND/ACADEMIC TRAINING. ACADEMIC TRAINING SHALL BE CONDUCTED FOR EACH PHASE/STAGE OF THE SYLLABUS. The following lecture, depicted in table 1-6, is strongly encouraged to be incorporated as part of a sound training plan. Where indicated, standardized academic training materials exist and may be obtained from the activity listed as the sponsor.

Table 1-6.--ARFF Specialist Ground/Academic Training.

Lecture Title	Sponsor
<b>Proposed 400 Level: Full Combat Qualified Training</b>	
ARFF Conferences	DoD, IAFC

111. TRAINING REFERENCES. Table 1-7 lists the ARFF Specialist, MOS 7051 training references that shall be utilized to ensure safe and standardized training procedures, performance steps, grading criteria, and equipment operation.



Table 1-7.--ARFF Specialist Training References.

TRAINING REFERENCE	TITLE
AFM 91-201	Explosives Safety Standard
AFOSHTD 161-21.1W6050.5-W	Air Force Occupational Safety Health Standard (DoD Handbook)
ANSI 288.5	Practices for Respiratory Protection in the Fire Service
DoDI 6055.6	DoD Fire and Emergency Services Program
DoDI 6055.6M	DoD Fire and Emergency Services Certification Program
ERG	Emergency Response Guide Book
IFSTA Manuals	International Fire Service Training Association Manuals
IFSTA Manual	Firefighting Essentials
IFSTA Manual	HAZMAT for the First Responder
IFSTA Manual	Aircraft Rescue and Firefighting
MCO 1500.31H	Enlisted Aviation Maintenance Trainee management System (EAMTRAMS)
MCO 3500.67	AES Training & Readiness Manual (Interim)
MCO 3501.17	MCCRES Order, Vol. XIII, MWSG Units
MCO 4855.10	Product Quality Deficiency Report (PQDR)
MCO 5100.8	Marine Corps Occupational Safety and Health Program Manual
MCO 11240.66	Standard Licensing Policy for Operators of Military Motor Vehicles
MCO P3120.8	Policy for the Organization of Fleet Marine Forces for Combat
MCO P3500.14	Aviation T&R Manual, Administrative
MCO P3500.17A	Aviation Training and Readiness Manual, Support and Administrative Aircraft
MCO P4400 Series	Intermediate-Level Supply Management Policy Manuals
MCO P4790.2	Individual Training Standards System (ITSS)
MCO P7100.8	Field Budget Guidance Manual
MILSTRAP	Military Standard Transaction Reporting and Accounting Procedures
MILSTRIP	Military Standard Requisitioning and Issue Procedures
MSDS	Hazardous Material Storage Data Sheets
NAVAIR 00-80R-14	NATOPS; US Navy Aircraft Firefighting and Rescue Manual
NAVAIR 00-80R-14-1	NATOPS; US Navy Aircraft Emergency Rescue Information Manual
NAVAIR 00-80T-115	Expeditionary Airfield Manual
NAWCWPNS TP 80-22	Summary of ordnance "fast cook-off" times
NFPA Standards Manual	National Fire Protection Standards for Fire Service Professionals
NFPA 472	Hazardous Materials Responder Competencies North American Emergency Response Guide Book
NFPA 1000 Series	Standards for Fire Service Professional Qualifications & Certifications
NFPA 1500 Series	Fire Service Occupational Safety and Health Standards
OSHA 29 CFR 1910.120	Hazardous Waste Operations and Emergency Response
PDD-39	US Policy on Counter Terrorism
TM 4700-15/1	Ground Equipment Record Procedures
T.O. 11A-1-46	Fire Fighting Guidance, Transportation and Storage Weapons of Mass Destruction Plans
	American Red Cross First Aid and CPR Standards
	American Heart Association CPR Standards
	Brady Basic First Aid Response Book

	DOT EMS First Responder Standards
	Local Standard Operating Procedures
	Local Air Operations Manuals
	Local Destructive Weather Plans
	Local Fire Bill / Pre-Mishap Plans
	Local Mutual Aid Agreements
	Local Squadron SOP
	Louis F. Garland Academy Orientation Handouts
	Manufacturer's Operating / Maintenance Instructions
	Vehicle Operator's Manual

## 120. LIVE/SIMULATOR EVENT PERFORMANCE REQUIREMENTS

1. General. The majority of the Aircraft Rescue Firefighting Specialist syllabus is ground training which requires in-depth integration within the MAW. Likewise, development of MAGTF training involving extensive integration with applicable elements of the MAGTF is mandatory in the development of a fully combat qualified Aircraft Rescue Firefighting Specialist.

a. Live Training. Training event condition codes listed as L (live), L/S (live preferred/simulator optional), and S/L (simulator preferred/live optional) in this syllabus designate training to be conducted without the aid of simulator devices. Training not conducted in the live training environment shall be replaced with simulation where applicable as indicated in the condition code.

b. Simulator Training. Training event condition codes listed as S (simulator), L/S (live preferred/simulator optional), and S/L (simulator preferred/live optional) in this syllabus designate training to be conducted in simulators where available and where applicable. Training not conducted in simulators shall be replaced with live training where applicable as indicated in the condition code.

2. Minimum Performance Time for Syllabus "Write-Off"/Designations. Personnel may receive credit for successful completion of any syllabus requirement (except qualifications) upon either a written, oral, or practical demonstration of proficiency, at the commanding officer's discretion. Completion of 70 percent of any syllabus requirement (except qualifications) may be "certified" as complete at the discretion of the designated evaluator. Qualifications require a completed performance evaluation, and the designation signed by the commanding officer.

3. Evaluation of Training. Evaluation of those portions of the syllabus that are academic in nature will be conducted by either written/oral examination or a combination of the two means. Operational and system related subjects will be evaluated by practical application means whenever possible. Performance evaluation to qualify for mission qualifications and designations will be conducted per MCO P3500.14, Aviation T&R Manual, Administrative, and the standardized evaluation forms located in the appendix to this syllabus.

## 130. COMPONENTS OF A T&R EVENT

1. General. An event contained within a T&R manual is an Individual or collective training standard and contains seven or eight components, dependent on the tier in which they are contained:

1/ <u>SAM-XXX</u>	2/ <u>0.5</u>	3/ <u>T,C,R,</u>	4/ <u>E</u>	5/ <u>EQUIP</u>	6/ <u>L/S (NS)</u>
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Goal: The title of a unit of work which needs to be done in the performance of a Marine's duties. It is a clearly stated performance-oriented action requiring learned skills and knowledge's, i.e., Engage a rotary winged aircraft.

Requirement: The condition(s) set for the real-world or combat circumstances in which the tasks are to be performed. They indicate what is provided (equipment, tools, materials, manuals, aids, etc.), environmental constraints or conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this should be stated.

Performance Standard: The performance standard indicates the basis for judging the effectiveness of the performance. It consists of a carefully worded statement which identifies the proficiency level expected when the event is performed. It is not guidance, it is inviolate. Performance standards are specified in terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc.

Prerequisite: Provides a listing of academic training or other T&R events, which must be completed prior to satisfying the event.

Reference: Listing of doctrinal or reference publications which may assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion.

Ordinance: A listing of Ordnance types and quantities required to satisfy the task.

External Syllabus Support: A listing or description of the external support requirements which may be required to satisfy completion of the event. May include range requirements, support aircraft, targets, training devices, or other personnel and equipment.

NOTES:

1/ Events are coded per Appendix B of the Administrative T&R Manual, MCO P3500.14.

2/ Projected Event Duration is furnished as a planning tool.

3/ Denotes the applicable Program of Instruction (Basic POI is understood). POI Codes: **T** = transition; **C** = conversion; **R** = refresher; **Z** = reserve.

4/ An "**E**" indicates an Evaluated event.

5/ The equipment or activity sub-category is listed.

6/ Condition Code: **L** = live training; **S** = simulator training; **L/S** = live preferred/simulator optional; **S/L** = simulator preferred/live optional; **N** = Night; Where contained within ( ) denotes optional conditions.

131. COMBAT CAPABLE TRAINING

1. Purpose. The Combat Capable tier will in most cases be accomplished at the completion of initial MOS skills training. With successful completion of the combat capable tier, unit personnel are assigned basic MOS qualification and progress to the Combat Ready tier.

a. General

(1) Administrative Notes. Level 100 specific training events / instruction will be conducted at the Louis F. Garland Fire Academy, San Angelo, Texas as outlined by the school's most current approved POI.

(2) Prerequisite. Firefighter must pass a physical examination per NFPA 1582 prior to attending the 7051 formal curriculum. Marines must attend "7" Level School, DoD Joint Fire Protection Academy, Goodfellow AFB, or obtain DoD Fire Instructor I and Fire Officer I through local training. All personnel may not be able to attend the "7" level school due to funding and or current billet assignment.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (33 Events, 544.0 Hours)

1. Fire Fighter Orientation

ORNT-101      2.0              E

Goal. Introduction to Fire Fighter Orientation.

Requirement. Without reference, identify basic facts about fire protection organization, roles of the fire fighters, and the mission of the fire service.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- IFSTA Manual: Essentials of Fire Fighting

Ordinance. None.

External Syllabus Support. None.

2. Fire Protection, Organization and Safety

ORNT-102      8.0              E

Goal. Introduction to Fire Protection, Organization, and Safety.

Requirement. Without reference, identify basic facts about fire protection organization, roles of the fire fighters, and the mission of the fire service, identify basic facts about fire department rules, regulations, and Standard Operating Procedures (SOP) that apply to the position of a fire fighter, identify basic facts about applicable health and safety standards and fire fighter responsibilities as required by NFPA standard 1500,

describe the components of an employee assistance program (i.e. smoking cessation, weight control, stress or anger management), identify basic facts about fire protection security vulnerabilities and satisfactory completion of the performance standard.

Performance Standard. Per the references listed below and satisfactory completion of the following:

- (1) Given DoD Handbook AFOSHTD 161-21.1W6050.5-W, identify basic facts pertaining to the recognition and control of chemical hazards and environmental concerns in the work area.

Prerequisite. None.

#### References

- IFSTA Manual: Essentials of Fire Fighting
- AFOSHTD 161-21.1W6050.5-W
- NFPA 1500 Series

Ordinance. None.

External Syllabus Support. None.

### 3. Fire Behavior

FFSCI-103    6.0            E

Goal. Introduction to Understanding Fire Behavior.

Requirement. Without reference, identify simple facts of fire chemistry, define the methods of heat transfer and identify heat sources, describe thermal layering and recognize fire conditions, their hazards, and appropriate actions.

Performance Standard. Per the reference listed below.

Prerequisite. None.

#### Reference

- IFSTA Manual: Essentials of Fire Fighting

Ordinance. None.

External Syllabus Support. None.

### 4. Fire Alarm and Communications

FFCOM-110    17.5            E            S/L

Goal. Introduction to Fire Alarm and Communication (Dispatch).

Requirement. Without reference, determine the purpose and function of all fire alarm receiving and alerting equipment, identify the components of fire alarm systems and fire location indicators used in public or private properties, determine the procedures required for receiving a supervisory equipment alarm, a

report of an emergency, and a business or personal call, identify the prescribed fire department radio procedures, the role of other agencies responding to emergencies, and the policy for ordering and transmitting multiple alarms and satisfactory completion of the performance standards.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given a simulated telecommunications center and a locally developed SOP, demonstrate appropriate communication procedures when receiving an alarm activation or a report of an emergency in a time limit of 30 minutes.
- (2) Given a fire incident and a fire incident scenario, complete a fire incident report.

Prerequisite. None.

Reference

- IFSTA Manual: Essentials of Fire Fighting

Ordinance. None.

External Syllabus Support

- Instructor/Student Alarm Room Console Trainer

## 5. Building Construction

BPLN-111      4.0              E

Goal. Building Construction familiarization and hazards.

Requirement. Without reference define construction terminology, the types of construction and safety concerns, identify dangerous and hazardous building conditions created by fire and fire suppression activities, describe the effects of fire and fire suppression on building materials, identify indicators of building collapse and describe hazards associated with truss and lightweight construction

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- IFSTA Manual: Essentials of Fire Fighting

Ordinance. None.

External Syllabus Support. None.

## 6. Fire Prevention

FFEDU-112      17.0              E              S/L

Goal. Introduction to Fire Prevention and Public Fire Education.

Requirement. Without reference, identify fire hazards commonly found in residential, commercial, manufacturing, and public assembly occupancies, identify five (5) common causes of fire and their prevention, define the importance of inspection and public fire education programs to the fire department public relations and the community, identify basic facts about the components of fire suppression systems, identify life safety programs for the home and school exit drill procedures and satisfactory completion of the performance standards.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given a simulated private dwelling and necessary materials, demonstrate fire prevention inspection procedures and complete a written report and pre-fire plan.
- (2) Given a lesson plan, necessary material, and an identified audience, present and document a public fire education program in a time limit of 10 minutes.

Prerequisite. None.

### Reference

- IFSTA Manual: Essentials of Fire Fighting

Ordinance. None.

### External Syllabus Support

- Home and Fire Inspection Trainer

## 7. Becoming A First Responder

EMS-120              8.5              E

Goal. Introduction to becoming a First Responder.

Requirement. Without reference, identify the introductory aspects of emergency medical care, the EMS system, roles and responsibilities, quality improvement, and medical oversight, describe the emotional aspects of emergency medical care, stress management, and Critical Incident Stress Debriefing (CISD), identify the components of scene safety, Body Substance Isolation (BSI), and Personal Protective Equipment (PPE), define ethical responsibilities, advance directives, consent, refusals, abandonment, negligence, duty to act, confidentiality, medical identification symbols, and crime scenes, describe and define the physiology of body systems and anatomy. Satisfactory completion of the performance standard is required.

Performance Standard. Per the reference listed below and satisfactory completion of the following:

- (1) Given a simulated victim, demonstrate the proper lifting and carrying techniques, and the principles of moving patients in a time limit of **10** minutes.

Prerequisite. None.

Reference

- Brady Basic First Response Book

Ordinance. None.

External Syllabus Support. None.

## 8. Scene and Patient Assessment

EMS-121      11.0      E

Goal. Introduction to Scene and Patient Assessment.

Requirement. Without reference, describe the components of scene size-up, identify the initial assessment steps used to determine the priority for care and transportation of a patient, identify the components of a physical exam, the questions associated with obtaining a SAMPLE history, and the components of the on-going assessment, describe the first responder's role in extrication and rescue operations, Hazardous Materials (HAZMAT) incidents, mass casualty situations, and basic triage. Satisfactory completion of the performance standard is required.

Performance Standard. Per the reference listed below and satisfactory completion of the following:

- (1) Given a patient and emergency scene scenario, size-up the scene, perform an initial assessment and physical exam of the patient, obtain a SAMPLE history, and conduct an on-going assessment in a time limit of **20** minutes.

Prerequisite. None.

Reference

- Brady Basic First Response Book

Ordinance. None.

External Syllabus Support

- Medical gloves

## 9. Airway Management

EMS-122      8.5      E

Goal. Introduction to Airway Management.



Requirement. Without reference, identify the different airway management techniques along with the signs of inadequate breathing, describe the importance and techniques associated with suctioning, list the steps involved in ventilating patients using various oral and nasal techniques. Satisfactory completion of the performance standard is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given an airway management mannequin and necessary equipment, demonstrate the use of oral and nasal airway management in a time limit of **10** minutes.
- (2) Given adult, child, and infant mannequins, clear a foreign body obstruction for a responsive and unresponsive patient in a time limit of **15** minutes.

Prerequisite. None.

Reference

- Brady Basic First Response Book

Ordinance. None.

External Syllabus Support

- Adult, child, and infant CPR mannequins
- Resuscitation mask
- Medical gloves

## 10. Circulation and CPR

EMS-123      7.5      E

Goal. Introduction to Circulation and CPR.

Requirement. Without reference, identify basic facts about circulation and the procedures used to provide CPR for an adult, child, and infant. Satisfactory completion of the performance standard is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given adult, child, and infant mannequins, administer CPR for adult, child, and infant patients in a time limit of **15** minutes.
- (2) Given an adult mannequin, administer two-rescuer CPR procedures for an adult in a time limit of **15** minutes.

Prerequisite. None.

Reference

- Brady Basic First Response Book

Ordinance. None.

External Syllabus Support

- Adult, child, and infant CPR mannequins
- Resuscitation mask
- Medical gloves

11. Illness and Injury

EMS-124      9.0      E

Goal. Introduction and recognition of Illness and Injury.

Requirement. Without reference, describe the recognition and management of general medical complaints, seizures, altered mental status, environmental emergencies, psychological crisis, and typical patient situations, identify the steps involved in the care of a patient with internal and external bleeding, the management of soft tissues and burns, the dressing and bandaging of wounds, describe the injuries to the skeletal system, the spine, and the head. Satisfactory completion of the performance standard is required.

Performance Standard. Per the reference listed below and satisfactory completion of the of the following:

- (1) Given a trauma scenario, patient(s), and necessary equipment, perform a scene size-up, initial assessment, and treat all injuries that are found in a time limit of 20 minutes.

Prerequisite. None.

Reference

- Brady Basic First Response Book

Ordinance. None.

External Syllabus Support

- Simulated victim
- Medical gloves
- Roller gauze and bandages

12. Children and Childbirth

EMS-125      8.5      E

Goal. Introduction to Children and Child Birth.

Requirement. Without reference, identify the anatomical differences between infants and children along with common medical and trauma situations; identify the anatomical and physiological changes that occur during pregnancy, the steps involved in the delivery and care of a newborn. Satisfactory completion of the performance standard is required.

Performance Standard. Per the reference listed below and satisfactory completion of the following:

- (1) Given an childbirth mannequin and necessary equipment, demonstrate the proper techniques for delivering and caring for a newborn.

Prerequisite. None.

Reference

- Brady Basic First Response Book

Ordinance. None.

External Syllabus Support

- Child birth mannequin
- Medical gloves

### 13. Personal Protective Equipment (PPE)

PPE-130      20.0      E

Goal. Introduction to PPE, to include inspection, maintenance, donning, and doffing procedure.

Requirement. Without reference, identify basic facts about PPE, identify basic facts about the self-contained breathing apparatus (SCBA). Satisfactory completion of the performance standard is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given a set of personal protective clothing, inspect protective clothing within **10** minutes, don the protective clothing within **60** seconds.
- (2) Given a PASS device, SCBA, checklist and observing all safety precautions, place the PASS device and SCBA in a safe condition within **10** minutes for immediate use.
- (3) Given an SCBA, while wearing partial PPE and observing all safety precautions, don and activate the SCBA within 60 seconds, then perform four (4) safety checks, and don remaining PPE.
- (4) Given an SCBA and required materials, perform and document routine maintenance of the SCBA while observing all safety precautions.
- (5) Given the emergency operations trainer (EOT), while wearing PPE and SCBA, observe all safety precautions, perform emergency procedures in the event of SCBA failure within **10** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- Emergency Operations Trainer (EOT)
- SCBA
- PASS device
- Preventative Maintenance equipment
- Cascade System

14. Forcible Entry

RES-135      12.0      E                      S/L

Goal. Introduction to Forcible Entry Procedures and Equipment.

Requirement. Without reference, identify basic facts about forcible entry. Satisfactory completion of the performance standard is required.

Performance Standard. Per the reference listed below and satisfactory completion of the following:

- (1) Given a forcible entry trainer and necessary tools and equipment while wearing PPE and observing all safety precautions, demonstrate the ability to operate and transport selected hand tools, force entry on doors, windows, and walls.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- Forcible entry hand tool kit
- Forcible entry trainer
- Masonry trainer
- Swinging door trainer
- Window trainer
- Wall trainer

15. Search Procedures and Vehicle Extrication

SRCH-136      40.0      E                      S/L

Goal. Introduction to Search Procedures and Vehicle Extrication, to include victim removal drags/carries, building search

procedures to include disoriented fire fighter, primary search procedures.

Requirement. Without reference, identify basic facts about building search procedures, identify basic facts about vehicle extrication. Satisfactory completion of the performance standard is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given simulated victims and necessary equipment, while wearing PPE and SCBA, and observing all safety precautions, perform rescue drags and carries within **20** minutes.
- (2) Given a home search trainer and wearing PPE and SCBA and observing all safety precautions, as a team member, perform disoriented fire fighter procedures in a time limit of **10** minutes, perform primary search procedures to remove two victims from the building in a time limit of 30 minutes.
- (3) Given a wrecked vehicle, necessary tools and equipment, while wearing PPE and observing all safety precautions, as a team member, perform vehicle extrication in a time limit of **45** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- SCBA
- Preventative Maintenance equipment
- Cascade System
- Simulated victim
- Salvage cover
- Stokes basket
- Home search trainer
- Smoke machine
- Hose line
- Home search tool kit
- Wrecked vehicle
- Vehicle extrication tool kit
- Air chisel
- Air Bag System
- Air cylinder
- Hurst power unit
- Hurst tool kit
- Cribbing

15. Ropes, Knots, and LaddersFFEQP-137     30.5     E

Goal. Introduction to Ropes, Knots, and Ladders, to include uses, inspection, cleaning, and maintenance.

Requirement. Without reference, identify basic facts about ropes and knots, identify basic facts about fire service ladders. Satisfactory completion of the performance standard is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given a section of rope, while wearing PPE and observing all safety precautions inspect rope, then tie fire service knots in a time limit of **15** minutes.
- (2) Given necessary rope, tools and equipment, while wearing PPE and observing all safety precautions, hoist tools and equipment in a time limit of **30** minutes.
- (3) Given various ladders, while wearing PPE and observing all safety precautions, perform ladder raises.
- (4) Given various ladders, tools and equipment, while wearing PPE and SCBA and observing all safety precautions, perform ladder stations in a time limit of **15** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- SCBA
- Rope kit
- Rope bag with rope
- Hoisting tool kit
- 12 foot roof ladder
- Power saw
- Folding attic ladder
- 24 foot extension ladder
- 35 foot extension ladder
- Preventative Maintenance equipment
- Cascade System
- Home search trainer
- Ladder stations tool kit

16. Ventilation Practices

VENT-138      24.0      E      S/L

Goal. Introduction to Ventilation Practices to include procedures in horizontal, vertical, and forced ventilation.

Requirement. Without reference, identify basic facts about ventilation. Satisfactory completion of the performance standard is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given a structural trainer, necessary tools and equipment, and wearing PPE and SCBA and observing all safety precautions, as a team member, perform horizontal ventilation in a time limit of **30** minutes.
- (2) Given structural trainer, necessary tools and equipment, and wearing PPE and SCBA and observing all safety precautions, as a team member, perform vertical ventilation on a basement, flat roof or pitched roof in a time limit of **35** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- SCBA
- Preventative Maintenance equipment
- Cascade system
- Home search trainer
- Multi purpose trainer
- Smoke machine
- Horizontal ventilation kit
- Smoke ejector
- High volume blower
- Power saw
- Vertical ventilation tool kit
- 12 foot roof ladder
- 24 foot extension ladder
- 35 foot extension ladder

17. Miscellaneous Rescue

RES-139      14.5      E

Goal. Introduction to Miscellaneous Rescue, to include window and ladder rescues.

Requirement. Without reference, identify basic facts about miscellaneous rescue. Satisfactory completion of the performance standard is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given extension ladders, necessary tools and equipment, while wearing PPE and SCBA, and observing all safety precautions, perform window rescue and ladder rescue.
- (2) Given necessary tools and equipment, while wearing PPE and SCBA, and observing all safety precautions, perform DoD Firefighter fitness/wellness stations.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- SCBA
- Preventative Maintenance equipment
- Cascade System
- Home search trainer
- Window and ladder rescue tool kit
- 24 foot extension ladder
- DoD firefighter fitness/wellness tool kit
- 12 foot roof ladder
- Simulated victim
- Hurst hydraulic spreader tool
- Concrete filled tire

18. Water Supplies, Fire Hose, and Fire Streams

FFAPP-140    56.0        E

Goal. Introduction to Water Supplies, Fire Hose, and Fire Streams to include basic facts about fire hoses, appliances, tools, fire streams, water supplies and hose laying procedures set up procedures for drafting and the flow testing of fire hydrants.

Requirement. Without reference, identify basic facts about water supplies; identify basic facts about fire hoses, appliances, tools, fire streams, and hose laying procedures to include the following:

- (a) Perform forward and reverse lay operations.
- (b) Perform **100** foot hose hand lay from shoulder.
- (c) Perform charged and dry hose advancements, up and down exterior to interior procedures.
- (d) Perform dry and charged hose advancements from an extension ladder.



- (e) Perform annual fire service testing maintenance, and cleaning procedures of a fire hose.
- (f) Satisfactory completion of the performance standards is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given a structural fire fighting vehicle, necessary tools and equipment, and a drafting pit, as a team member, assemble and connect the equipment necessary for drafting from a static water source.
- (2) Given two sections of fire hose, perform hose applications within **3** minute per application.
- (3) Given a hose bed trainer, as a team member, load supply lines in a time limit of **12** minutes per loading method.
- (4) Given a pitot tube, gauge, and a fire hydrant, inspect, read, and record flow pressures from a hydrant within **5** minutes.
- (5) Given a supply hose line, a fire hydrant, and necessary tools and equipment, perform hydrant operations in a time limit of **3** minutes.
- (6) Given a structural fire fighting vehicle and mounted equipment, as a team member, load attack lines in a time limit of **10** minutes per load.
- (7) Given a structural fire fighting vehicle and mounted equipment, as a team member, perform forward hose lays ion a time minute of **8** minutes.
- (8) Given a structural fire fighting vehicle and mounted equipment, as a team member, perform reverse hose lays in a time limit of **7** minutes.
- (9) Given a structural fire fighting vehicle and mounted equipment, as a team member, perform hose advancement operations in a time limit of **4** minutes per advancement.
- (10) Given the necessary equipment, and a structural trainer, as a team member, perform hose operations from an extension ladder in a time limit of **5** minutes per operation.
- (11) Given a hose tester, fire hose, and the necessary tools and equipment, perform an annual service test of hose in a time limit of **20** minutes.
- (12) Given fire hose and the necessary tools and equipment, clean, maintain, and inspect fire hose and couplings in a time limit of **10** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- Portable water tank
- Pitot tube and gauge
- Flow test recording board
- SCBA
- Structural fire fighting vehicle and mounted equipment
- Structural trainer
- Salvage covers
- 24 foot extension ladder
- Fire hose tester
- Simulated fire hydrants
- Unit 1 equipment locker

19. Salvage and Overhaul

SAL-145      16.0      E      S/L

Goal. Introduction to Salvage and Overhaul Familiarization.

Requirement. Without reference, identify basic facts about salvage and overhaul, identify responsibilities of the fire fighter in determining the point of origin, cause, and protection of evidence in fires, identify basic facts about fire service electrical equipment, identify facts about fire extinguishers to include maintenance, inspection and use. Satisfactory completion of the performance standards is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given salvage equipment, as a team member, perform salvage cover operations in a time limit of **15** minutes.
- (2) Given fire service power and lighting equipment, as a team member, operate the lighting equipment safely in a time limit of **5** minutes.
- (3) Given a fire scene and necessary tools and equipment, as a team member, protect evidence of fire cause and origin.
- (4) Given a structural fire-fighting vehicle, mounted equipment, and a structural trainer, operate fire extinguisher, expose and extinguish hidden fires.
- (5) Given salvage materials, as a team member, cover or close building openings in a time limit of **10** minutes.
- (6) Given salvage and overhaul equipment, and cleaning materials, as a team member, clean and inspect the equipment.

- (7) Given a sprinkler system, stop the flow of the water at the sprinkler head and at the main control valve in a time limit of 3 minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Fire Fighting Essentials

Ordinance. None.

External Syllabus Support

- PPE
- Salvage covers
- Roof ladder
- Structural trainer
- Cleaning materials
- Burned debris
- Investigation trainer
- Pike poles
- Arson investigation training kit
- Salvage tool set
- Fire service lighting equipment
- Salvage and overhaul trainer
- Pick axe
- Sprinkler plugs
- Unit 2 equipment locker
- Structural fire fighting vehicle and mounted equipment

20. Fire Control

FFOPS-150    54.5        E            S/L

Goal. Introduction to Fire Control.

Requirement. Without reference, identify basic facts about fire control, identify facts about controlling and extinguishing vehicle fires, identify facts about extinguishing wildland (ground cover) fires, identify basic facts about the incident management system. Satisfactory completion of the performance standards is required.

Performance Standards. Per the references listed below and satisfactory completion of the following:

- (1) Given a fire-fighting vehicle, necessary tools and equipment, and a wildland training area, as a team member, combat a ground fire.
- (2) Given a structural fire fighting vehicle, mounted equipment, and a burn trainer, as a team member, wearing PPE and SCBA, control a flammable gas cylinder fire.

- (3) Given a structural fire fighting vehicle, mounted equipment, and a burn trainer, as a team member, wearing PPE and SCBA, extinguish an ignitable liquid fire.
- (4) Given a structural fire fighting vehicle, mounted equipment, and a burn trainer, as a team member, wearing PPE and SCBA, control and extinguish a vehicle fire.
- (5) Given a structural fire fighting vehicle, mounted equipment, and a burn trainer, as a team member, wearing PPE and SCBA, control and extinguish interior structure fires.
- (6) Given a structural fire fighting vehicle, mounted equipment, and a burn trainer, as a team member, wearing PPE and SCBA, coordinate an interior attack line team's accomplishment of an assignment.

Prerequisite. None.

References

- IFSTA Manual: Fire Fighting Essentials
- NFPA 1000 Series

Ordinance. None.

External Syllabus Support

- PPE
- SCBA
- Structural fire fighting vehicle and mounted equipment
- Structural trainer
- Exterior fire trainer
- Portable radios
- Fire shelters
- Wildland PPE
- Brush hooks
- Council rakes
- McLeod
- Pulaski tools
- Backpack pump tanks
- Personnel accountability system
- Car fire trainer
- Wild land fire trainer
- Unit 3 equipment locker

21. Hazardous Material (HAZMAT) / Awareness Level

HAZMAT-160    14.5            E

Goal. Introduction to the HAZMAT Awareness Level - "Analyzing and Implementing the Incident".

Requirement. Without reference, determine general principles of response at the Awareness Level. Satisfactory completion of the performance standards is required.

Performance Standards. Per the references listed below and satisfactory completion of the following:

- (1) Given various facility and/or transportation situations, or both, with or without HAZMAT present, identify the principles of analyzing and implementing a HAZMAT response at the awareness level.
- (2) Given the name, UN/NA number, or placard type, a current Emergency Response Guidebook, a local emergency response plan and SOP, and a facility or transportation scenario including HAZMAT, collect hazard information, initiate protective action, and initiate the response process within **60** minutes.

Prerequisite. None.

#### References

- IFSTA Manual: Fire Fighting Essentials
- Hazardous Response Handbook
- NFPA 472
- Emergency Response Guide Book (ERG)
- IFSTA Manual: HAZMAT for the First Responder
- T.O. 11A-1-46
- AFM 91-201
- Local SOP

Ordinance. None.

External Syllabus Support. None

## 22. HAZMAT / Operations Levels I - III

HAZMAT-161    14.5            E

Goal. Introduction to HAZMAT Operations Level Part I - "Analyzing the Incident".

Requirement. Without reference, identify general principles of the First Responder Operations level. Satisfactory completion of the performance standards is required.

Performance Standards. Per the references listed below and satisfactory completion of the following:

- (1) Given various facility and/or transportation situations, or both, with HAZMAT present, identify the principles of analyzing a HAZMAT response at the operations level.
- (2) Given examples of HAZMAT containers, identify 16 out of 20 containers by type in a time limit of **30** minutes.

- (3) Given material safety data sheets (MSDS), a current ERG, and shipping papers, identify hazard and response information for two chemicals in a time limit of **30** minutes.
- (4) Given a simulated HAZMAT incident, the surrounding conditions, the concentration of a released material, shipping paper, and a current ERG, estimate the type and number of exposures, and factors for determining the extent of hazards within the endangered area in a time limit of **30** minutes.

Prerequisite. None.

References

- IFSTA Manual: Fire Fighting Essentials
- Hazardous Response Handbook
- NFPA 472
- Emergency Response Guide Book (ERG)
- IFSTA Manual: HAZMAT for the First Responder
- T.O. 11A-1-46
- AFM 91-201
- Local SOP
- Hazardous Material Safety Data Sheet (MSDS)

Ordinance. None.

External Syllabus Support. None.

HAZMAT-162    4.5            E

Goal. Operations Level Part II - "Planning the Response".

Requirement. Without reference, identify the principles for planning the response to a HAZMAT incident at the operations level.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- IFSTA Manual: Fire Fighting Essentials
- Hazardous Response Handbook
- NFPA 472
- Emergency Response Guide Book (ERG)
- IFSTA Manual: HAZMAT for the First Responder
- T.O. 11A-1-46
- AFM 91-201
- Local SOP

Ordinance. None.

External Syllabus Support

- PPE

HAZMAT-163    14.0        E

Goal. Operations Level Part II - "Planning and implementing the response".

Requirement. Without reference, identify the principles of defensive decontamination procedures at a HAZMAT incident at the operations level. Satisfactory completion of the performance standards is required.

Performance Standards. Per the references listed below and satisfactory completion of the following:

- (1) Given scenarios for facility and/or transportation HAZMAT incidents, identify the principles for completing and implementing the planned response for a HAZMAT incident at the operations level.
- (2) Given the necessary equipment, as a team member, demonstrate basic defensive control activities and emergency decontamination in a time limit of **60** minutes.

Prerequisite. None.

References

- IFSTA Manual: Fire Fighting Essentials
- Hazardous Response Handbook
- NFPA 472
- Emergency Response Guide Book (ERG)
- IFSTA Manual: HAZMAT for the First Responder
- T.O. 11A-1-46
- AFM 91-201
- Local SOP

Ordinance. None.

External Syllabus Support

- PPE
- SCBA
- Structural fire fighting vehicle with equipment

HAZMAT-164    4.0        E

Goal. Competencies - "Evaluating Progress".

Requirement. Without reference, identify principles involved with evaluating the progress of a HAZMAT incident at the operations level.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- IFSTA Manual: Fire Fighting Essentials
- Hazardous Response Handbook
- NFPA 472
- Emergency Response Guide Book (ERG)
- IFSTA Manual: HAZMAT for the First Responder
- TO 11A-1-46
- AFM 91-201
- Local SOP

Ordinance. None.

External Syllabus Support

- PPE

23. Aircraft and Airport Familiarization

ACFAM-170    13.0            E

Goal. Introduction to Aircraft and Airport Familiarization.

Requirement. Without reference, identify the principles of airport familiarization, standby operations, principles of aircraft familiarization. Satisfactory completion of the performance standards is required.

Performance Standard. Per the reference listed below and satisfactory completion of the following:

- (1) Given airport infrastructure maps, identify hydrant locations and airport markings and lights in a time limit of **10** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Aircraft Rescue and Fire Fighting

Ordinance. None.

External Syllabus Support

- Airport infrastructure map

24. Aircraft Response and Fire Fighting Principles

FFPRNC-175    19.0            E

Goal. Introduction to Aircraft Response and Fire Fighting Principles.

Requirement. Without reference, identify principles of the incident management system, identify the principles of fire extinguishing agent selection, identify principles of aircraft



fire fighting, determine procedures involved in an aircraft emergency response incident or accident on and off an airport, identify principles of the airport emergency plan and the aircraft pre-fire plan, determine communications procedures on an airport. Satisfactory completion of the performance standards is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given an airport grid map and an overlay, perform two  
(2) grid map operations in a time limit of **10** minutes.
- (2) Given a simulated aircraft emergency, observing all safety precautions, perform proper communications and radio operations required for a complete aircraft incident operation.

Prerequisite. None.

Reference

- IFSTA Manual: Aircraft Rescue and Fire Fighting

Ordinance. None.

External Syllabus Support

- Airport grid maps and overlays

## 25. Aircraft Rescue Procedures

ACRES-176    29.5            E                    S/L

Goal. Introduction to Aircraft Rescue Procedures.

Requirement. Without reference, identify the principles of PPE used in aircraft fire fighting, determine the capabilities and limitations of manual and power rescue tools, equipment, and high reach devices. Satisfactory completion of the performance standards is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given proximity PPE, don PPE in a time limit of **60** seconds.
- (2) Given a helicopter and a fighter type aircraft, as a team member, perform rescue operations in a time limit of **10** minutes.
- (3) Given a cargo aircraft and mechanical ventilation equipment, as a team member perform mechanical ventilation on the aircraft in a time limit of **15** minutes.
- (4) Given a cargo aircraft and all necessary specialized rescue equipment, as a team member, gain entry, shut down engine(s), extricate, evaluate and remove all victims in a time limit of **45** minutes.

Prerequisite. None.

Reference

- IFSTA Manual: Aircraft Rescue and Fire Fighting

Ordinance. None.

External Syllabus Support

- PPE
- SCBA
- HC-53 helicopter
- F15 aircraft
- F15 canopy strut
- F16 aircraft
- F16 ladder
- Ladder
- C-130 aircraft
- Simulated victims
- Cascade system
- Power saw
- Hydraulic devices
- Pneumatic devices
- Cutting tools
- Pulling devices
- Ventilation equipment
- Triage equipment
- Little Giant ladder
- Radios
- Light-all
- A/S32-P19 (Aircraft Rescue and Firefighting vehicle)

26. Aircraft Rescue and Fire Fighting Vehicles

FFVEH-177    29.5    E

Goal. Introduction to Aircraft Rescue and Fire Fighting Vehicles.

Requirement. Without reference, determine operational procedures on ARFF vehicles.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- IFSTA Manual: Aircraft Rescue and Fire Fighting

Ordinance. None.

External Syllabus Support

- A/S32P-23
- A/S32P-19

- A/S32P-19A

## 27. Live Aircraft Fire Training

ARFF-178      33.5      E      S/L

Goal. Familiarize and apply live aircraft fire training and applications.

Requirement. Capable of performing miscellaneous aircraft fires, rapid re-supply operations, various aircraft fuel fires, a three-dimensional aircraft fuel fire, and large frame simulated aircraft interior fires. Satisfactory completion of the performance standards is required.

Performance Standards. Per the reference listed below and satisfactory completion of the following:

- (1) Given an ARFF vehicle, re-supply equipment, and a team member, perform rapid re-supply operations in a time limit of **15** minutes.
- (2) Given and ARFF vehicle, hand line, various simulated aircraft, and aircraft fuel fires, as a team member, extinguish the fire in a time limit of **10** minutes.
- (3) Given an ARFF vehicle, turret, various simulated aircraft, and fuel fires, as a team member, extinguish the fire in a time limit of **90** seconds.
- (4) Given an ARFF vehicle, hand line, primary agent, and a three-dimensional aircraft fuel fire, extinguish the fire and secure the fuel source in a time limit of **15** minutes.
- (5) Given an ARFF vehicle, hand line, ladder, large frame simulated aircraft, and aircraft interior fires, as a team member, advance charged and uncharged hand lines and control and extinguish all fires in a time limit of **30** minutes.
- (6) Given and ARFF vehicle, hand line, and a miscellaneous aircraft fire, as a team member, control and extinguish a miscellaneous aircraft fire utilizing an appropriate agent in a time limit of **30** minutes.

Prerequisite. None.

### Reference

- IFSTA Manual: Aircraft Rescue and Fire Fighting

Ordinance. None.

### External Syllabus Support

- A/S32P-23
- A/S32P-19
- A/S32P-19A

- 2500 L
- PPE
- Small frame aircraft burn trainer
- Helicopter burn trainer
- Large frame aircraft burn trainer
- Hearing protection
- Cascade system
- Corrosion control materials
- Preventative maintenance materials
- Hydrant wrench
- Spanner wrench
- Supply hose
- Salvage equipment
- Sheet metal
- Crash axe, pry axe, or halligan tool
- Radios

## 28. Course Feedback and Graduation

GRAD-180      1.5

Goal. Course Feedback and Graduation.

Requirement. None.

Performance Standard. None.

Prerequisite. None.

Reference. None.

Ordinance. None.

External Syllabus Support. None.

## 29. End-of-Course Appointment (MT)

ECA-181      2.0

Goal. End-of-Course Appointment (MT).

Requirement. None.

Performance Standard. None.

Prerequisite. None.

Reference. None.

Ordinance. None.

External Syllabus Support. None.

132. COMBAT READY TRAINING

1. Purpose. In the Combat Ready tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take the individual who has completed initial MOS skills training and make him or her proficient in core competencies. With successful completion of the combat ready tier, unit personnel move to the Combat Qualification tier.

a. General

(1) Administrative Notes. Emergency Vehicle Operator Course must be completed prior to completion of 200 level events. Prior to completion of SUP-200 level requirements, Marine must attend a local Incident Command school.

(2) Prerequisite. Marine must obtain Government Vehicle Operators License.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (29 Events, 156.0 Hours)

2. Naval Air Training and Operating Procedures Standardization (NATOPS) Required Training

NATOPS-200    1.0                    E

Goal. Demonstrate basic elements of a First Responder.

Requirement. Given a simulated victim, while wearing proper personal protective equipment, and provided appropriate first aid and/or CPR equipment, perform to standards as a First Responder.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- DOT EMS, First Responder Standard
- American Red Cross First Aid and CPR Standards
- American Heart Association CPR Standards

Ordinance. None.

External Syllabus Support. None.

NATOPS-201    2.0                    E                    L/S

Goal. Demonstrate proficiency in maintaining life saving equipment in a state of readiness.

Requirement. Given emergency equipment, appropriate checklist and operating manuals, perform emergency equipment operations and maintenance on assigned hydraulic forcible entry/rescue tools, assigned rescue saw, and assigned rescue air chisel and associated air tools.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NFPA 1000 Series
- Manufacturer's Operation / Maintenance Instructions

Ordinance. None.

External Syllabus Support. None.

NATOPS-202    1.0                    E                    L/S

Goal. Demonstrate proficiency in utilizing maps in order to coordinate rescue operations.

Requirement. Given grid coordinates and appropriate grid map, properly identify mishap site.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- NAVAIR 00-80R-14

Ordinance. None.

External Syllabus Support. None.

NATOPS-203    1.0                    E                    L/S

Goal. Demonstrate knowledge of various characteristics of U.S. Military aircraft.

Requirement. Given the appropriate reference manual, identify characteristics of a given aircraft.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80R-14-1

Ordinance. None.

External Syllabus Support. None.

NATOPS-204    2.0            E            L/S

Goal. Demonstrate/Maintain proficiency as an aircraft fire fighter.

Requirement. Given the proper personal protective and firefighting equipment, suppress an aircraft fire and/or emergency.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- IFSTA Manuals
- NFPA 1000 Series

Ordinance. None.

External Syllabus Support. None.

NATOPS-205    2.0            E            L/S

Goal. Suppress a structural fire and/or emergency.

Requirement. Given proper personal protective and firefighting equipment.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- IFSTA Manuals
- NFPA 1000 Series

Ordinance. None.

External Syllabus Support. None.

NATOPS-206    8.0            E            L/S

Goal. Perform the duties of an emergency services dispatcher.

Requirement. Assigned as an emergency services dispatcher, and given the following:

- (a) Radio communications mobile, base and handheld units.
- (b) Public address system.
- (c) Local crash network.
- (d) Emergency notifications systems.
- (e) Maintain the chronological daily journal.
- (f) Activate the Primary Emergency Alarm Network.
- (g) Activate Mutual Aid Response as directed.
- (h) Operate telecommunications equipment.
- (i) Maintain communications between Communications center and emergency response equipment.

- (j) Monitor ordnance cook off times.
- (k) Locate and relay mishap location on grid map.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NFPA 1000 Series
- IFSTA Manuals
- TP 8022
- Local SOP
- Manufacturer's Operation / Maintenance Instructions

Ordnance. None.

External Syllabus Support. None.

### 3. Firefighter Operations

FFOPS-210    10.0            E                    L

Goal. Perform the duties of a turret operator.

Requirement. Given proper personal and firefighting equipment, and an airport firefighting vehicle.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- Vehicle Operator's Manual
- NFPA 1000 Series

Ordnance. None.

External Syllabus Support. None.

FFOPS-211    10.0            E                    L

Goal. Perform the duties of a handline operator.

Requirement. Given an AFFF/water or Halon (1211) handline, proper personal and firefighting equipment, and firefighting vehicle.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- IFSTA Manuals
- NFPA 1000 Series
- Vehicle Operations Manual



Ordinance. None.

External Syllabus Support. None.

FFOPS-212    10.0            E                    L

Goal. As a crewmember, perform fire fighting support operations utilizing assigned firefighting apparatus.

Requirement. Given appropriate personal protective and firefighting apparatus and equipment.

Performance Standards. Per the given references listed below and, at a minimum, utilizing structural fire hoses, appliance and streams.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- IFSTA Manuals
- NFPA 1000 Series

Ordinance. None.

External Syllabus Support. None.

FFOPS-213    8.0                E                    L

Goal. Perform the duties of a crewmember on a Twin Agent Unit (TAU).

Requirement. Given proper personal equipment.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- Manufacturer's Operating Manuals
- Appropriate technical manuals

Ordinance. None.

External Syllabus Support. None.

FFOPS-214    10.0            E                    S/L

Goal. Perform aircrew and passenger rescue on assigned aircraft.

Requirement. Given appropriate personal protective equipment, rescue tools and access to assigned aircraft.

Performance Standards. Per the given references listed below, demonstrate the following:

- (1) Aircraft forcible entry.
- (2) Canopy/crew door entry.

(3) Ejection seat safety.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80R-14-1
- IFSTA Manuals
- NFPA 1000 Series

Ordinance. None.

External Syllabus Support. Access to assigned aircraft.

FFOPS-215      1.0              E              S/L

Goal. Conduct Hazardous Materials response to the Hazardous Materials Operations level.

Requirement. Given a Hazardous Materials incident and appropriate equipment.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NFPA 1000 Series
- NFPA 472
- IFSTA Manuals

Ordinance. None.

External Syllabus Support. None.

FFOPS-216              6.0              E              S/L

Goal. Perform emergency operations involving ordnance.

Requirement. Given appropriate personal protective and firefighting equipment, and an emergency involving ordnance.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80R-14-1
- TP 8022

Ordinance. Inert ordnance (as required).

External Syllabus Support. None.

3. Driver Operators License

DROPS-217      40.0            E                    L

Goal. Obtain a major fire fighting or support vehicle operators license.

Requirement. Given an assigned major fire fighting or support vehicle, local training and testing requirements.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- MCO 11240.66
- NAVAIR 00-80R-14
- NFPA 1000 Series

Ordinance. None.

External Syllabus Support. None.

4. Emergency Medical Technician

EMT-218            36.0            E                    S/L

Goal. Perform the duties as an Emergency Medical Technician (EMT).

Requirement. Given the proper personal protective and appropriate emergency medical equipment.

Performance Standard. Per the reference listed below.

Prerequisite

- (1) Attend and complete a local EMT program.

Reference

- DOT EMS standards

Ordinance. None.

External Syllabus Support. None.

5. Fire Protection Supervisor

SUP-220            1.0            E                    L

Goal. Operate and maintain T/E assigned Self-Contained Breathing Apparatus (SCBA).

Requirement. Given the appropriate tools.

Performance Standards. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NFPA 1500 Series
- NFPA 1000 Series
- Manufacturer's Operation / Maintenance Instructions

Ordinance. None.

External Syllabus Support. None.

SUP-221      A/R                  E                  L/S

Goal. Perform the duties of an initial response incident commander.

Requirement. Given resources appropriate to the incident.

Performance Standards. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NFPA 1000 Series
- NFPA 1500 Series

Ordinance. None.

External Syllabus Support. None.

SUP-222      A/R                  E                  L

Goal. Conduct both formal and informal training of assigned personnel.

Requirement. Given a prepared lesson plan and instructional materials.

Performance Standards. Per the references listed below.

Prerequisite

(1) Fire Instructor I.

References

- NAVAIR 00-80R-14
- IFSTA Manuals
- Local SOP

Ordinance. None.

External Syllabus Support. None.

SUP-223      1.0                  E                  L

Goal. Inspect assigned firefighting and rescue personnel and operational areas.

Requirement. Given inspection criteria.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- Local SOP.

Ordinance. None.

External Syllabus Support. None.

## 6. Maintenance Management

MGMT-230      A/R      L

Goal. Supervise unit's Preventive Maintenance Program.

Requirement. Given written guidelines.

Performance Standards. Per the given references for the following:

- (1) Corrosion control.
- (2) Tool control.
- (3) Calibrations.
- (4) Preventive Maintenance (1st echelon).
- (5) Joint Oil Analysis Program.
- (6) Conduct SL-3 inventories.
- (7) Publications control.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- MCO 4790.2
- TM 4700-15/1

Ordinance. None.

External Syllabus Support. None.

MGMT-231      1.0      L/S

Goal. Prepare Firefighting and Rescue equipment for embarkation by land, sea or air.

Requirement. Given commander's intent and written guidelines.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80T-115

- MCO P3120.8
- Local SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-232

A/R

L/S

Goal. Prepare Quality Deficiency Reports.

Requirement. Given defective vehicle parts, clothing and equipment, and the required publications.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- MCO 4855.10

Ordinance. None.

External Syllabus Support. None.

MGMT-233

A/R

L/S

Goal. Prepare materials reports and forms.

Requirement. Given appropriate information.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- MILSTRIP
- MILSTRAP
- MCO P4400 Series
- MCO 4790.2
- TM 4700-15/1

Ordinance. None.

External Syllabus Support. None.

MGMT-234

1.0

L

Goal. Manage the Respiratory Protection Program.

Requirement. Given written guidelines and appropriate equipment.

Performance Standards. Per the given references listed below, and at a minimum and not limited to:

- (1) Air quality control testing/monitoring.
- (2) Air compressor/Cascade SOP.

- (3) SCBA management.
- (4) Fit Test requirements.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- MCO 5100.8
- ANSI 288.5
- Local SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-235

1.0

E

L

Goal. Supervise required billet specific programs necessary to maintain firefighting and rescue organizations.

Requirement. Given Operational Commander's intent.

Performance Standards. Per the given references listed below, and at a minimum, but not limited to the following:

- (1) Establishment of Respiratory Protection Program.
- (2) Fire Hose Test Program.
- (3) Calibration Program.
- (4) Hydrostatic Program.
- (5) Preventive Maintenance Programs for:
  - (a) Vehicles
  - (b) Equipment
- (6) Extinguisher Program.
- (7) Embarkation Program.
- (8) Licensing Program.
- (9) Training Program.
- (10) Halon Proliferation Program.

Prerequisite. None.

References

- DoDI 6055.6
- NAVAIR 00-80R-14
- NAVAIR 00-80T-115
- MCO 4790.2
- NFPA Standards Manual
- Local Squadron SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-236

1.0

E

L

Goal. Prepare budget requirements to maintain firefighting and rescue organization.

Requirement. Given Operational Commander's intent.

Performance Standards. Per the given references listed below, and at a minimum will include:

- (1) Protective clothing allowance.
- (2) Firefighting agents stock.
- (3) Consolidate Memorandum Receipt (CMR)/SMFR.
- (4) Table of Equipment (T/E).
- (5) Mid-Year review.
- (6) TAD budget.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- MCO 3500.17A
- MCO P7100.8
- Local SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-237

1.0

L

Goal. Manage the organizational training program.

Requirement. Utilizing available resources.

Performance Standards. Per the given references listed below, to include, as a minimum:

- (1) Preparation of Annual/Quarterly Training Plan.
- (2) Preparation of the monthly training schedule.
- (3) External syllabus support requirements scheduling.
- (4) Required reports.
- (5) Lesson outlines.
- (6) Testing programs.
- (7) T&R Manual, Administrative (MCO 3500.14).

Prerequisite. None.

References

- MCO 1500.31H
- NAVAIR 00-80R-14
- NFPA Standards Manual
- IFSTA Manuals
- Local SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-238

1.0

L

Goal. Maintain vehicle and firefighting equipment engineer records.



Requirement. Given appropriate information.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- MCO 4790.2
- TM 4700-15/1
- Local SOP

Ordinance. None.

External Syllabus Support. None.

### 133. COMBAT QUALIFICATION TRAINING

1. Purpose. The combat qualification tier will be that portion of the model that produces combat leaders and fully qualified crewmembers. The personnel being trained in the combat qualification tier are those Marines a commanding officer feels are capable of directing the actions of subordinates during wartime scenarios.

a. General

(1) Administrative Notes. Must possess a Government operators permit for assigned major firefighting vehicle. Prior to completion of SUP-300 events Marine must certify at the DoD Fire Service Instructor I level. Prior to completion of MGMT-300 events, Marine must certify as a DoD Fire Officer III/IV.

(2) Prerequisite. Must have completed and passed Emergency Vehicle Operator Course.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (13 Events, 17.0 Hours)

### 2. Driver Operator/Dispatcher/Crew Leader

SLDR-302      1.0                      E                      L

Goal. Perform the duties of a section leader.

Requirement. Assigned as a section leader.

Performance Standards. Per the given references listed below, and at a minimum:

- (1) Respond to emergency situations.
- (2) Situation evaluation.
- (3) Deployment of on-hand assets.
- (4) Direct firefighting, rescue, hazardous materials or emergency medical response.

Prerequisite

- (1) Must possess license for assigned major firefighting vehicle.

References

- NAVAIR 00-80R-14
- NFPA 1000 Series
- Local SOP

Ordinance. None.

External Syllabus Support. None.

3. Supervisory Firefighter

SUP-320      1.0            E                    L

Goal. Perform duties of a Fire Inspector I.

Requirement. Given the fire protection and prevention plan.

Performance Standards. Per the references listed below.

Prerequisite

- (1) Fire Inspector I certified.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80T-115
- NFPA Standards Manual
- Local SOP
- Local Fire Bill

Ordinance. None.

External Syllabus Support. None.

SUP-321      1.0            E                    L

Goal. Conduct fire extinguisher training.

Requirement. Given a lesson plan and appropriate training aids.

Performance Standards. Per the references listed below.

Prerequisite

- (1) Fire Instructor I certified.

References

- NAVAIR 00-80R-14
- NFPA Standards Manual
- IFSTA Manuals

Ordinance. None.

External Syllabus Support. None.

SUP-322      1.0              E              L

Goal. Inspect assigned fire fighting and rescue personnel and operational and functional areas.

Requirement. Given inspection criteria.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- Local SOP

Ordinance. None.

External Syllabus Support. None.

SUP-323      8.0              E              S/L

Goal. Perform the duties of a HAZMAT Technician.

Requirement. Given inspection criteria.

Performance Standard. Per the reference listed below.

Prerequisite

- (1) Graduate of the TTT Course at Goodfellow Fire Academy or approved local schools.

Reference

- Local SOP

Ordinance. None.

External Syllabus Support. None.

#### 4. Fire Protection Management

MGMT-330      1.0              E              S/L

Goal. Identify equipment and personnel requirements for Forward Base Operations.

Requirement. Given the ACE commander's intent.

Performance Standards. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80T-115
- MCO P3501.17

- NFPA Standards Manual
- Local SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-331

A/R            E            L

Goal. Prepare Standing Operating Procedures for firefighting and rescue operations.

Requirement. Per the references listed below.

Performance Standard. None.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80T-115
- NFPA Standards Manual
- Local Air Operations Manual

Ordinance. None.

External Syllabus Support. None.

MGMT-332

A/R            E            L

Goal. Establish aviation and structural firefighting and rescue duty sections.

Requirement. Given the commander's intent for operational readiness.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80T-115
- MCO P3501.17
- Local SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-333

1.0            E            S/L

Goal. Prepare a Disaster Control/Crash Bill for firefighting and rescue organization.

Requirement. Given Operational Commander's intent.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80T-115
- Local Air Operations Manual
- Destructive Weather Plan
- T.O. 11A-1-46

Ordinance. None.

External Syllabus Support. None.

MGMT-334

A/R

E

L

Goal. Establish required programs necessary to maintain firefighting and rescue organizations.

Requirement. Given Operational Commander's intent.

Performance Standards. Per the given references listed below, and at a minimum, but not limited to the following:

- (1) Establishment of Respiratory Protection Program.
- (2) Fire Hose Test Program.
- (3) Calibration Program.
- (4) Hydrostatic Program.
- (5) Preventive Maintenance Programs for:
  - (a) Vehicles
  - (b) Equipment
- (6) Extinguisher Program.
- (7) Embarkation Program.
- (8) Licensing Program.
- (9) Training Program.
- (10) Halon Proliferation Program.

Prerequisite. None.

References

- DoDI 6055.6
- NAVAIR 00-80R-14
- NAVAIR 0-80T-115
- MCO 4790.2
- NFPA Standards Manual
- Local Squadron SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-335

1.0

E

S/L

Goal. Develop budget requirements to maintain firefighting and rescue organization.

Requirement. Given Operational Commander's intent.

Performance Standards. Per the given references listed below, and

at a minimum, will include:

- (1) Protective clothing allowance.
- (2) Firefighting agents stock.
- (3) Consolidate Memorandum Receipt (CMR)/SMFR.
- (4) Table of Equipment (T/E).
- (5) Mid-Year review.
- (6) TAD budget.
- (7) Training budget.

Prerequisite. None.

#### References

- NAVAIR 00-80R-14
- MCO P3500.17
- MCO P7100.8
- Local SOP

Ordinance. None.

External Syllabus Support. None.

MGMT-336

A/R

E

L

Goal. Conduct the administrative duties required to maintain Firefighting and Rescue Organizations.

Requirement. Given Operational Commander's intent.

Performance Standard. Per the references listed below.

Prerequisite. None.

#### References

- DoDI 6055.6
- NAVAIR 00-80R-14
- NAVAIR 00-80T-115
- NAVAIR 00-80R-20
- NAWCWPNS TP 80-22
- Local SOP
- Local Fire Bill/Pre-Mishap Plan
- Local Mutual Aid Agreements

Ordinance. None.

External Syllabus Support. None.

MGMT-337

1.0

E

S/L

Goal. Coordinate all phases of firefighting and rescue operations.

Requirement. Given an emergency situation.

Performance Standards. Per the given references listed below, proficiency is to be demonstrated to **100%** in the following areas:

- (1) Aircraft mishap.
- (2) Mass casualty incident.
- (3) Hazardous materials.
- (4) Structural fire incident.
- (5) Wild land fire incident.
- (6) Weapons of Mass Destruction.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NFPA Standards Manual
- IFSTA Manuals
- PDD-39

Ordinance. None.

External Syllabus Support. None.

#### 134. FULL COMBAT QUALIFICATION TRAINING

1. Purpose. The Full Combat Qualification tier will contain special skills, and qualifications. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but are those for which a certain number of trained individuals or crews must be maintained to accomplish special missions or tasks.

a. General

(1) Administrative Notes. Requirements described in this tier may not be available to all Marines due to school seat availability and/or Marine's current billet assignment. SUP-400 may be completed through the DoD Joint Fire Protection Academy or locally approved available schools. SUP-401 may not be available to all Marines due to school seating restrictions. NCOICs are urged to attend the NCOIC Senior Fire Protection Management Symposium.

(2) Prerequisite. Completion of all Level 300 Firefighter requirements.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (4 Events, 12.0 Hours)

#### 2. Rescue Technician

<u>FF-400</u>	<u>10.0</u>	<u>E</u>	<u>S/L</u>
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Goal. Perform specialized rescue operations.

Requirement. Given the appropriate personal protective and rescue equipment.

Performance Standards. Per the given references listed below and at a minimum, perform the following:

- (1) High Angle rescue.
- (2) Confined Space rescue.
- (3) Trench rescue.
- (4) Water rescue operations.
- (5) WMD response.
- (6) Structure Collapse rescue operations.

Prerequisite

- (1) Completion of the DoD Joint Fire Protection Academy's Rescue Technician Course or locally approved equivalent.

References

- DoDI 6055.6
- NFPA 1000 Series
- IFSTA Manuals

Ordinance. None.

External Syllabus Support. None.

### 3. Shipboard Fire Protection

FF-401      A/R              E              S/L

Goal. Perform shipboard aviation firefighting operations.

Requirement. Given appropriate personal protective and shipboard aviation firefighting equipment.

Performance Standard. Per the reference listed below.

Prerequisite

- (1) Attendance at a Navy Shipboard Firefighting school is required.

Reference

- Appropriate Marine Air Wing Orders to include local SOP.

Ordinance. None.

External Syllabus Support. None.

### 4. Supervisory Firefighter

SUP-420      1.0              L

Goal. Perform the duties of a Fire Inspector II.

Requirement. Given the appropriate technical publications and directives.

Performance Standard. Per the references listed below.

Prerequisite



- (1) Completion of the Fire Inspector's II Course, DoD Joint Fire Protection Academy, Goodfellow AFB or locally approved school.

References

- DoDI 6055.6
- NAVAIR 00-80R-14
- NFPA Standards Manual
- IFSTA Manuals

Ordinance. None.

External Syllabus Support. None.

SUP-421      1.0              L

Goal. Perform the duties of a Hazardous Materials instructor.

Requirement. Given appropriate lesson outlines and training aids.

Performance Standards. Per the references listed below.

Prerequisite

- (1) Completion of the Hazardous Materials Train-the-Trainer Course, DoD Joint Fire Protection Academy, Goodfellow AFB.

References

- OSHA CFR 1910,120q
- DoDI 6055.6
- DoDI 6055.6M
- NAVAIR 00-80R-14
- NFPA 472
- NFPA 1000 Series
- IFSTA Manuals

Ordinance. None.

External Syllabus Support. None.

170. PROFICIENCY INTERVALS. Tables 1-8 thru 1-10 list the proficiency intervals for the 7051 Combat Readiness, Combat Qualification, and Full Combat Qualification training levels.

Table 1-8.--ARFF Specialist Proficiency Interval For The Combat Readiness Training Level.

EVENT	CODE	HOURS	PROFICIENCY INTERVAL	CRP	R	E	CONDITIONS & REMARKS
NATOPS	200	1.0	12	1.0	X	X	L
	201	2.0	N/A	.75		X	L/S
	202	1.0	6	.25	X	X	S/L
	203	1.0	6	1.0	X	X	L/S

EVENT	CODE	HOURS	PROFICIENCY INTERVAL	CRP	R	E	CONDITIONS & REMARKS
	204	2.0	1	.5	X	X	S/L
	205	2.0	3	.5	X	X	S/L
	206	8.0	6	.5	X	X	L
FFOPS	210	10.0	12	.25	X	X	L
	211	10.0	12	.50	X	X	L
	212	10.0	12	1.0	X	X	L
	213	8.0	6	.5	X	X	L
	214	10.0	3	.5	X	X	S/L
	215	1.0	12	1.0	X	X	S/L
	216	6.0	6	.75	X	X	S/L
DROPS	217	40.0	N/A	1.0		X	L
EMT	218	36.0	36	1.25	X	X	S/L
SUP	220	1.0	12	.25	X	X	L
	221	A/R	3	1.0	X	X	L/S
	222	A/R	3	1.0	X	X	L
	223	1.0	3	.5	X	X	L
	230	A/R	12	.5	X		L
	231	1.0	3	.5	X		L/S
	232	A/R	12	.25	X		L/S
	233	A/R	N/A	.25			L/S
	234	1.0	12	1.0	X		L
	235	1.0	12	1.0	X	X	L
	236	1.0	6	1.0	X	X	L
	237	1.0	12	1.0	X		L
	238	1.0	6	.5	X		L
<b>TOTAL</b>	<b>29</b>	<b>156.0</b>		<b>20%</b>			

Table 1-9.--ARFF Specialist Proficiency Interval For The Combat Qualification Training Level.

EVENT	CODE	HOURS	PROFICIENCY INTERVAL	CRP	R	E	CONDITIONS & REMARKS
SLDR	302	1.0	6	2.0	X	X	L
SUP	320	1.0	12	1.0	X	X	L
	321	1.0	6	2.0	X	X	L
	322	1.0	12	1.0	X	X	L
	323	8.0	12	.5	X	X	S/L
	330	1.0	12	2.0	X	X	S/L
	331	1.0	12	.5	X	X	L
	332	A/R	12	.5	X	X	L
	333	1.0	12	.5	X	X	L
	334	A/R	12	.5	X	X	L
	335	1.0	6	2.0	X	X	L
	336	A/R	12	.5	X	X	L
	337	1.0	12	2.0	X	X	S/L
<b>TOTAL</b>	<b>13</b>	<b>17.0</b>		<b>15%</b>			

Table 1-10.--ARFF Specialist Proficiency Interval For The Full Combat Qualification Training Level.

EVENT	CODE	HOURS	PROFICIENCY INTERVAL	CRP	R	E	CONDITIONS & REMARKS
FF	400	10.0	12	1.25	X	X	S/L
	401	A/R	12	1.25	X	X	S/L
SUP	420	1.0	12	1.25	X		L
	421	1.0	12	1.25	X		L
<b>TOTAL</b>	<b>4</b>	<b>12.0</b>		<b>5%</b>			

180. EVENT UPDATE CHAINING. Table 1-11 lists the event update chaining for the Aircraft Rescue and Firefighting Specialist (MOS 7051).

Table 1-11.--ARFF Specialist Training Update Chaining.

EVENTS	EVENTS UPDATED
204	203
206	202
213	211, 212
214	201, 203, 204
215	204, 205, 211
216	211
217	212
221	202, 203, 204, 205, 215, 216
223	203, 204, 205, 206, 211, 212, 213, 214, 215, 216, 220, 221, 222
230	201, 220
231	201, 220
234	220, 222
236	233
237	222
238	230, 232, 233
302	201, 202, 203, 204, 205, 206, 210, 211, 212, 213, 214, 215, 216, 220, 221, 222, 223
320	222, 235
321	222
322	201, 202, 203, 204, 205, 206, 210, 211, 212, 214, 216, 223
323	202, 203, 204, 205, 211, 212, 215, 216, 220, 233, 234
330	203, 231
331	204, 205, 206, 210, 211, 213, 214, 215, 216, 221, 222, 234, 235, 237, 302, 321, 330
332	330
333	235, 330, 331
334	230, 231, 234, 235, 237
335	201, 233, 236
336	201, 206, 220, 222, 232, 233, 236, 237, 238, 331, 333, 334, 335
337	201, 202, 203, 204, 205, 206, 210, 211, 212, 213, 214, 215, 216, 220, 221, 222, 223, 230, 231, 232, 233, 234, 235, 236, 237, 238, 302, 320, 321, 322, 330, 331, 332, 333, 334, 335, 336
400	201, 215, 220, 223, 231, 233, 234, 235, 323, 331, 333, 334, 335, 336, 337
401	203, 204, 205, 211, 212, 220
420	202, 222, 223, 230, 233, 235, 236, 238, 320, 321, 330, 331, 333, 335, 336
421	204, 205, 211, 212, 215, 220, 221, 222, 223, 233, 234, 235, 236, 237, 323, 334, 335, 336, 337, 331, 333, 400
430	222, 235, 322, 330, 334, 336, 337

CHAPTER 2

EXPEDITIONARY AIRFIELD (EAF) TECHNICIAN

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CHAPTER 2

EXPEDITIONARY AIRFIELD (EAF) TECHNICIAN

200. INTRODUCTION

1. The purpose of the Marine Aviation Training and Readiness (T&R) Program is to provide the commander with standardized programs of instruction for all aviation personnel. The goal is to develop unit WARFIGHTING capabilities, not to measure the proficiency of individuals. Syllabi are based on specific performance standards designed to ensure proficiency in core competencies. An effective T&R program is the first step in providing the MAGTF Commander with an Aviation Combat Element (ACE) capable of accomplishing any and all of its stated missions. The T&R program provides the fundamental tools for commanders to build and maintain unit combat readiness. Using these tools, unit training managers can construct and execute an effective training plan which supports the unit's mission essential tasks.

2. Unit training management is the application of the Marine Corps Training Principles and the Systems Approach to Training to satisfy the training requirements of Commanders at all levels to accomplish their wartime missions. Guidance concerning unit training management and the process for establishing effective unit training management programs are contained in MCRP 3-0A, Unit Training Management Guide, and formed the basis for the development of this T&R Manual. Familiarity with MCRP 3-0A will enhance understanding of the Systems Approach to Training used in T&R development and Marine Corps UTM principles.

3. The Marine Corps Combat Readiness Evaluation System (MCCRES) and the T&R program are inextricably linked. The events contained within the T&R syllabus provide the basis of individual and collective skills that enable units to satisfy the requirements as outlined in their applicable volume of the MCCRES.

4. Diversity of assignment is paramount to the career development of the Expeditionary Airfield Technician, MOS 7011. Expeditionary Airfield Technicians may serve within the Marine Aircraft Wing at either the Marine Wing Support Squadron, Marine Wing Support Group, or the Marine Aircraft Wing Headquarters. They may also serve as part of the Airfield Operations Department of a Marine Corps Air Station. As the Marine Corps expands its expeditionary capability and projection from the sea, the Expeditionary Airfield Technician, regardless of unit, will encounter different applications of the same basic skills. To learn the appropriate techniques for each job assignment and to understand the interrelationship between assignments however, requires rotation of Expeditionary Airfield Technicians through the various positions described in this T&R manual. Chapter 3 identifies the training requirements for the Marines assigned to Support Squadrons, Support Groups, and Marine Aircraft Wing Headquarters. Relations through the various job assignments within either unit is needed to fully develop the understanding and ability of the Expeditionary Airfield Technician, so that they are well prepared to lead junior Marines in any and all of the functional areas. The multiple training progression models contained in this chapter apply to all Marines of the 7011 MOS. Although periodic evaluation need only to be performed in the functional area to which a Marine is currently assigned, leaders are encouraged to introduce their Expeditionary Airfield Technician to the tasks required in other functional areas.

201. CORE COMPETENCIES/SKILLS

1. Core competency serves as the foundation of the T&R program. Core competencies are those core capabilities and skills which support the Mission Essential Tasks (METL) derived from FMFM 5-1 and T/O mission statements, which are realistically expected to be assigned in combat.

2. Mission. To provide all Expeditionary Airfield (EAF) support requirements to a designated rotary or fixed-wing component of an ACE and all supporting or attached elements of the Marine Air Control Group (MACG).

3. Mission Essential Goal List

- Plan for EAF services.
- Install, operate, and maintain MCEAG support.
- Install and maintain AM2 matting and accessories.
- Install, operate, and maintain Airfield Lighting and Marking.
- Install, operate, and maintain visual landing aids.

4. Core Capability. A core capable EAF will provide the Marine Air Ground Task Forces (MAGTF) with a flexible capability to rapidly deploy and establish survivable, self-sustaining airfields in support of the Aviation Combat Element (ACE) for employment in an expeditionary operation.

202. SUMMARY/INDEX OF LIVE/SIMULATED EVENTS. Tables 2-1 thru 2-4 depict a listing of the MOS 7011 Combat Capable, Combat Ready, Combat Qualification and Full Combat Qualification stages of training and associated page numbers.

NOTE: *Level 100 specific training events/instruction will be conducted at the Expeditionary Airfield Services School, Pensacola, Florida as outlined by the school's most current approved POI.*

Table 2-1.--Expeditionary Airfield Technician Combat Capable Training List.

EVENT	GOAL	PAGE
T&E-100	Identify EAF tools, equipment and their purpose.	2-14
T&E-101	Operate EAF power tools and equipment.	2-15
T&E-102	Maintain EAF tools and equipment.	2-15
T&E-103	Employ tools and equipment during AM-2 matting installation.	2-15
T&E-104	Conduct toolbox inventory.	2-16
MMGT-105	Identify and explain the purpose and routing of VIDS/MAF.	2-16
MMGT-106	Identify EAF organizational structure by drawing a flow chart.	2-17
COMM-107	Identify all components of an AN/PRC-139 EAF communication system.	2-17
COMM-108	Assemble and operate an AN/PRC-139 EAF communication system.	2-17
COMM-109	Demonstrate hand and arm signals used for EAF operations with 100% accuracy.	2-18

EVENT	GOAL	PAGE
MPF-110	Verbally explain the MPF program, the role of EAF in the MPF program, and EAF components currently aboard MPS.	2-18
AM2-111	Identify AM-2 matting and accessories and explain their functions.	2-18
AM2-112	Install AM-2 matting and accessories in a 96' X 96' VTOL pad configuration.	2-19
AM2-113	Identify the various AM-2 matting aircraft operating surfaces.	2-19
AM2-114	State the three patterns of AM-2 mat lay.	2-19
AFLM-115	Identify and explain the function of EAF lighting components.	2-20
AFLM-116	Install EAF lighting components.	2-20
FLOLS-117	Set up a Fresnel Lens Optical Landing System (FLOLS).	2-21
FLOLS-118	Perform FLOLS pre-operational inspection.	2-21
MCEAG-119	Identify the major components of the M-21 arresting gear system and explain their functions.	2-21
MCEAG-120	Install Marine Corps Expeditionary Arresting Gear (MCEAG).	2-22
MCEAG-121	Operate MCEAG.	2-22
MCEAG-122	Perform I level maintenance on M-21 arresting gear retrieve and arrester engine.	2-23
MCEAG-123	Perform each position of MCEAG operations.	2-23
MCEAG-124	Perform MCEAG pre-operational inspection.	2-23
MCEAG-125	Perform MCEAG post operational inspection.	2-24
E28-126	Identify the major components of the E-28 arresting gear system and explain their functions.	2-24
E28-127	Operate E-28 arresting gear.	2-25
E28-128	Perform Organizational level maintenance on the E-28 arresting gear system.	2-25

Table 2-2.--Expeditionary Airfield Technician Combat Ready Training List.

EVENT	GOAL	PAGE
MMGT-200	Complete a VIDS/MAF form.	2-26
MMGT-201	Perform the duties of Technical Publication Librarian (TPL).	2-26
COMM-202	Program six frequencies into the AN/PRC-139(C).	2-26
COMM-203	Perform proper recharge procedures for AN/PRC-139(C).	2-27
COMM-204	Demonstrate proper care and accountability of the AN/PRC-139(C).	2-27
MPF-205	Load EAF packages on a flatrack for shipment on MPS.	2-27
AM2-206	Install AM-2 matting and accessories.	2-28
AM2-207	Perform a maintenance inspection on an AM-2 matting installation.	2-28



EVENT	GOAL	PAGE
AM2-208	Remove and repackage AM-2 matting and accessories.	2-29
AFLM-209	Install EAF lighting components.	2-29
FLOLS-210	Perform scheduled FLOLS inspections.	2-30
MCEAG-211	Install the MCEAG.	2-30
MCEAG-212	Operate the MCEAG.	2-31
MCEAG-213	Maintain the MCEAG.	2-31
MCEAG-214	Inspect and prepare MCEAG packages for shipment.	2-31
MCEAG-215	Perform each position of MCEAG operations.	2-32
MCEAG-216	Perform MCEAG pre-operational inspection.	2-32
MCEAG-217	Perform MCEAG post-operational inspection.	2-33

Table 2-3.--Expeditionary Airfield Technician Combat Qualification Training List.

EVENT	GOAL	PAGE
MMGT-300	Perform the duties of the work center supervisor.	2-34
MMGT-301	Identify fiscal requirements to support the EAF program.	2-34
MMGT-302	Prepare EAF portion of AOM.	2-35
MPF-303	Explain in detail EAF assets available aboard Maritime Pre-positioning Squadrons.	2-35
AM2-304	Design an EAF.	2-35
AM2-305	Supervise site survey for an AM-2 matting installation.	2-36
AM2-306	Supervise AM-2 matting installation and accessories.	2-36
AM2-307	Supervise the removal and repackaging of AM-2 matting and accessories.	2-37
AM2-308	Supervise a maintenance inspection on a AM-2 matting installation.	2-37
AM2-309	Plan and supervise installation of aircraft revetments.	2-37
AM2-310	Coordinate logistical support for installation and maintenance of AM-2 matting.	2-38
FLOLS-311	Supervise scheduled FLOLS inspections.	2-38
FLOLS-312	Coordinate logistical support for FLOLS installation, operation, and maintenance.	2-38
AFLM-313	Supervise EAF lighting components installation.	2-39
AFLM-314	Coordinate logistical support for airfield lighting installation, operation, and maintenance.	2-39
MCEAG-315	Supervise MCEAG installation.	2-40

EVENT	GOAL	PAGE
MCEAG-316	Supervise MCEAG operations.	2-40
MCEAG-317	Supervise MCEAG maintenance.	2-40
MCEAG-318	Inspect and prepare MCEAG packages for shipment.	2-41
MCEAG-319	Perform duties of the runway crew leader.	2-41
MCEAG-320	Supervise MCEAG scheduled inspections.	2-41
MCEAG-321	Coordinate logistical support for MCEAG arresting gear installation, operation and maintenance.	2-42
MCEAG-322	Install and test an LEA.	2-42
OPS-323	Coordinate personnel and equipment requirements in support of current operational plans.	2-43
OPS-324	Manage EAF assets distribution and accountability.	2-43
SLRP-325	Participate as a member of a SLRP, conduct a site survey of an airfield, and determine EAF requirements.	2-44
TRNG-326	Evaluate and monitor training of EAF personnel.	2-44
CERTAM2-327	Perform expeditionary certification on AM2 matting.	2-44
CERTAG-328	Perform expeditionary certification on MCEAG.	2-45
CERTLM-329	Perform expeditionary certification on EAF Lighting and Marking.	2-45
BRIEF-330	Prepare and present briefing on EAF capabilities.	2-45
COMM-331	Identify communications requirements.	2-46
PLNG-332	Plan for installation of aircraft revetments.	2-46
HPTU-333	Install a High Power Turn-up.	2-47
HPTU-334	Supervise the installation of a High Power Turn-up.	2-47

Table 2-4.--Expeditionary Airfield Technician Full Combat Qualification Training List.

EVENT	GOAL	PAGE
JTOPS-400	Participate in Joint Operations planning.	2-48
BRAAT-401	Participate in Base Recovery After Attack (BRAAT) planning.	2-48
HPTU-402	Perform expeditionary certification on High Power Turn-up installation.	2-48

## 203. UNIT TRAINING POLICIES

1. The unit's training program emphasizes qualifications and the overall combat readiness of the unit. Individual training serves as the building block for overall unit readiness. However, unit training must not be compromised for the training of a select, few individuals. Squadron and battalion commanding officers will ensure that this training philosophy is implemented. Unit training must predominate, and squadrons must tailor their training plans to ensure unit combat readiness.

2. The training of Marines to perform as an integral aviation unit in combat lies at the heart of the T&R program. Unit readiness and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform those critical skills required in combat is essential.

3. Commanders shall ensure that all tactical training is conducted to a MCCRES standard. The MCCRES, as outlined in MCO P3501.1, is the unit training standard, and all syllabus events shall be tailored to meet MCCRES requirements. Commanders at all levels are responsible for effective aviation training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be overemphasized.

4. Commanders must be cognizant of the numerous factors affecting unit training on a daily basis. Factors, which all commanders must address, include, but are not limited to:

a. Efficiency. Time and resources expended are measurements for training efficiency. Commanders must ensure that all training increases combat readiness. Unit personnel shall thoroughly plan and effectively execute training to maximize the return on their time and effort.

b. Individual Differences. Commanders must recognize the differences inherent in each individual and should mold flexible training programs to accommodate those differences.

c. Decentralization of Training. The lowest echelon possible shall be responsible for conducting training. Each senior level of command must monitor subordinate levels to ensure safe and efficient training.

5. Commanders shall provide personnel the opportunities to attend formal and operational level courses of instruction as required by this Manual. Attendance at all formal courses must enhance the warfighting capabilities of the unit.

6. Risk Management. Operational Risk Management (ORM) is a process to aid commanders in accomplishing their missions while protecting the force. Commanders, leaders, maintainers, planners and schedulers should integrate risk assessment in the decision making process and implement hazard controls to eliminate risk or reduce it to acceptable level.

204. EXPEDITIONARY AIRFIELD TECHNICIAN TRAINING PROGRESSION PHILOSOPHY. EAF Technician training begins at the Expeditionary Airfield Equipment M1 School and continues in the Operating Forces, Station units, and additional schools. EAF Technicians will complete the Combat Ready, Combat Qualification and Full Combat Qualification portions of the training syllabus during assignment to Operating Forces and Stations EAF/Recovery units.

205. EXPEDITIONARY AIRFIELD TECHNICIAN TRAINING PROGRESSION MODEL

1. The Training Progression Model for the EAF Technician, MOS 7011 is depicted in figure 2-1.
2. This model depicts the **logical progression of qualifications** within a unit. The base of each model contains those qualifications an individual attains at the MOS-qualifying school. The highest tier of the progression model will contain those qualifications held by only the most experienced personnel within a unit.
3. The Combat Capable tier will, in most cases, be accomplished at the completion of initial MOS skills training. With successful completion of the combat capable tier, unit personnel are assigned basic MOS qualification and progress to the Combat Ready tier.
4. On the Combat Ready tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take the individual who has completed initial MOS skills training and make him or her proficient in core competencies. With successful completion of the Combat Ready tier, unit personnel move to the Combat Qualification tier.
5. The Combat Qualification tier will be that portion of the model that produces combat leaders and fully qualified crewmembers. The personnel that are being trained in the combat qualification tier are those Marines whom a commanding officer feels are capable of directing the actions of subordinates during wartime scenarios.
6. The Full Combat Qualification tier will contain special skills, and qualifications. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but rather those for which a certain number of trained individuals or crews must be maintained in order to accomplish special missions or tasks.
7. In some cases, higher echelon supervisory position training and qualifications may be reflected where the development of a separate T&R syllabus is not practical or warranted. These personnel are the most experienced within a unit. They are expected to display the maturity and tactical acumen commensurate with this status on a daily basis, and assist the commanding officer with oversight of the unit training program.
8. The unit's training progression model provides training officers with a valuable tool to develop training plans. With a clear progression of qualifications delineated, and an emphasis on the qualification of "combat capable" and "combat ready" personnel, training officers have the ability to produce viable training plans. Units will use the model as a point of departure to generate weekly, monthly, quarterly and annual training plans.

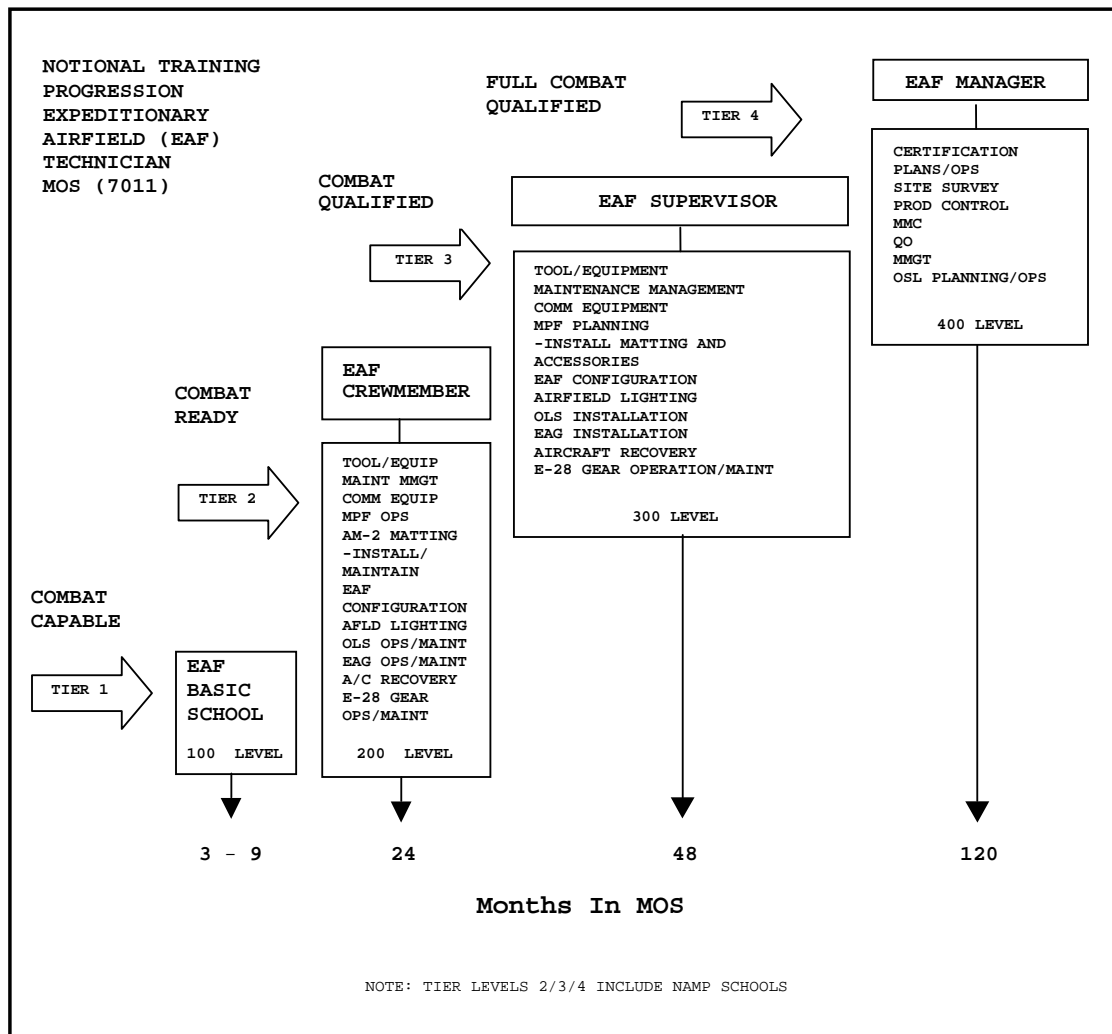


Figure 2-1.--EAF Technician Training Progression Model.

210. TRAINING REFERENCES. Table 2-5 lists the EAF Technician's, MOS 7011 training references that shall be utilized to ensure safe and standardized training procedures, performance steps, grading criteria, and equipment operation.

Table 2-5.--EAF Technician Training References.

TRAINING REFERENCE	TITLE
Air Task (NAVAIR form 3930/1)	REQUIRED DOCUMENTS TO SUPPORT THE EAF PROGRAM
A/E32C-45	MRC'S ON EAF LIGHTING
A5-120AA-WUC-800	REFERENCE FOR COMPLETING A VIDS/MAF
COMNAVAIRPAC / LANT Tool Control Order	TOOL CONTROL DIRECTIVE
DDR 06-IS-0012	PACKAGING MATPAC CONCEPT
DDR 06-IS-0048	LANDING MAT ACCESSORY: THE UNIVERSAL CLAMP
DDR 06-IS-0050	EAF SAFETY ANALYSIS FOR THE ISO FLAT RACK CONTAINER
DDR 06-IS-0058	PLASTIC BINS FOR USE IN THE MATPAC CONCEPT
DDR 51-2084	AM2 MATTING & ACCESSORY REQUIREMENTS

TRAINING REFERENCE	TITLE
DDR 91-1201 (D)	INSTRUCTION FOR RRR KIT
E-28 AIRCRAFT RECOVERY BULLETIN 46-12L	EMERGENCY RECOVERY OF AIRCRAFT WITH E-28 GEAR
LOCAL MRCs	LOCAL MAINTENANCE REQUIREMENTS (CARD) ON EAF EQUIPMENT
LOCAL SOP	LOCAL STANDING OPERATIONAL PROCEDURES DICTATE DAILY OPERATIONS
M-21 AIRCRAFT RECOVERY BULLETIN 45-12	TAPE AND DECK PENDANT REPLACEMENT CRITERIA
M-21 AIRCRAFT RECOVERY BULLETIN 45-12K	RECOVERY OF AIRCRAFT WITH M-21 ARRESTING GEAR
M-21 AIRCRAFT RECOVERY BULLETIN 80-12H	MK-8 MOD 0 FLOLS EQUIPPED WITH ROLL ANGLE DRIVE ASSEMBLY
MCO 3500.14	AVIATION TRAINING & READINESS MANUAL, ADMINISTRATIVE VOLUME 1
MCO 3500.67	AVIATION TRAINING & READINESS MANUAL, AES (INTERIM)
MRC/MIP: 4922/RF8-34	MRC'S FOR FLOLS SETUP
MRC/MIP: 4922/RF8-60	MRC'S FOR SCHEDULED FLOLS INSPECTIONS
MRC/MIP: 5861/R28-44	MRC'S FOR E28 OPERATIONS
MRC/MIP: 5861/R35-56	MRC'S FOR INSTALLATION OF "MCEAG"
MRC/MIP: 5861/R35-71	MRC'S FOR MAINTAINING "MCEAG"
MRC/MIP: 5861/R36-67	MRC'S FOR M21 RETRIEVE ENGINE
MRC/MIP: 5861/R36-10	MRC'S FOR MAINTENANCE REQUIRED CARD/MAINTENANCE INDEX PAGE FOR RETRIEVE ENGINE
NA 17-1-108	TORQUE TOOLS; USE, CARE, AND TESTING
NAEC-ENG-7390	SCHEDULED FLOLS INSPECTION FORM
NAVAIR 00-80T-115	US MARINE CORPS EXPEDITIONARY AIRFIELDS NATOPS MANUAL
NAVAIR 00-25-100	NAVAL AIR SYSTEMS COMMAND TECHNICAL MANUAL
NAVAIR 51-5-31	E-28 EMERGENCY ARRESTING GEAR
NAVAIR 51-5-35	EXPEDITIONARY AIRFIELD MECHANICAL WORKSHOP VAN
NAVAIR 51-5EAA-2	M-21 EXPEDITIONARY ARRESTING GEAR
NAVAIR 51-5FAA-1	M-31 MARINE CORPS EXPEDITIONARY ARRESTING GEAR SYSTEM
NAVAIR 51-FAA-2	M-31 PERIODIC MAINTENANCE REQUIREMENTS
NAVAIR 51-5FAA-3	M-31 PREOPERATIONAL CHECKLIST
NAVAIR 51-40ABA-7	EXPEDITIONARY AIRFIELD LIGHTING
NAVAIR 51-40ABA-7.1	REGULATOR ASSEMBLY, CONSTANT CURRENT, 4 & 15 KW
NAVAIR 51-40ABA-14	FRESNEL LENS OPTICAL LANDING SYSTEM
NAVAIR 51-50ABA-16	MINIMUM OPERATING STRIP LIGHTING SYSTEM
NAVAIR 51-50ABA-16-1	MANUAL FOR PERIODIC MAINTENANCE OF THE MINIMUM OPERATING STRIP LIGHTING SYSTEM
NAVAIR 51-50ABA-16-2	MOSLS PREOPERATIONAL CHECKLIST
NAVAIR 51-60A-1	AM2 AIRFIELD MAT AND ACCESSORIES
NAVAIRINST 4444.10	SUBMISSION OF EXPEDITIONARY AIRFIELD ASSETS REPORT
NAVAIRINST 13800.12B	CERTIFICATION OF EXPEDITIONARY AIRFIELD AM2 MAT, AIRCRAFT RECOVERY EQUIPMENT AND VISUAL LANDING AIDS
NAVFAC P80-3	AIRFIELD PAVEMENT REPAIRS
NAVICP 00-35T-37-4	TABLE OF BASIC ALLOWANCES
NAVMC-2907	MARITIME PREPOSITIONING FORCE (MPF)
NAVSEA OP 5 (VOL-3)	AMMUNITIONS AND EXPLOSIVES ASHORE
NAVSEA OP 3565	ELECTROMAGNETIC RADIATION HAZARDS (HAZARDS TO ORDNANCE)
NAWCADLKE-MISC 48J200-0001	GENERIC INFORMATION FOR AN/PRC-139 (C) COMMUNICATION EQUIPMENT USED IN THE EAF COMMUNITY
NAWCADLKE-MISC 48J200-0003	EXPEDITIONARY AIRFIELD CONFIGURATION

TRAINING REFERENCE	TITLE
NAWCADLKE-MISC 48J200-0010	EXPEDITIONARY AIRFIELD DESIGN REQUIREMENTS EAF 2000
NAWCADLKE-MISC 48J200-0011	EXPEDITIONARY AIRFIELD AM2 MAT
NAWCADLKE-MISC 48J200-0012	EXPEDITIONARY AIRFIELD LIGHTING AND MARKING SYSTEMS
NAWCADLKE-MISC 48J200-0013	EXPEDITIONARY AIRFIELD M-21 AIRCRAFT RECOVERY SYSTEM
NAWCADLKE-MISC 48J200-0018	C-17 GLOBEMASTER 111 COMPATIBILITY W/ EAF
NAWCADLKE-MISC 48J200-0020	INSTALLATION, INSPECTION, OPERATION AND MAINTENANCE FOR EXPEDITIONARY AIRFIELD FIELD MARKER LIGHTS
NAWCADLKE-MISC 48J200-0021	EXPEDITIONARY AIRFIELD SUBGRADE PREPARATION
NAWCADLKE-MISC 48J200-0024	EXPEDITIONARY AIRFIELD ASSETS ABOARD MPF SHIPS
NAWCADLKE-DDR 48J200-0027	EXPEDITIONARY AIRFIELD /MV-22 COMPATIBILITY
NAWCADLKE-MISC 48J200-0029	EXPEDITIONARY AIRFIELD AM2 MAT FIELD INSPECTION AND REPAIR PROCEDURES
NAWCADLKE-MISC 48J200-0028	EXPEDITIONARY AIRFIELD CAPABILITIES ABOARD MARITIME PREPOSITIONING FORCE SHIPS
NAWCADLKE-MISC 48J200-0048	USERS GUIDE FOR THE MINIMUM OPERATING STRIP LIGHTING SYSTEM
NAWCADLKE-MISC 48J200-0053	FLAT RACK LOADING PROCEDURES FOR EAF EQUIPMENT.
NAWCADLKE-MISC 48J200-0063	INSTALLATION, MAINTENANCE, CERTIFICATION, AND RE-PACKING INSTRUCTIONS FOR THE L123 EXPEDITIONARY AIRFIELD LIGHTING PACKAGE
OPNAV 4790.2 Series	NAVAL AVIATION MAINTENANCE PROGRAM (NAMP)
SLRP	SURVEILLANCE LIASON RECONNAISSANCE PARTY
T.O. 31R2-2PRC139-1	OPERATION AND MAINTENANCE INSTRUCTIONS WITH ILLUSTRATED PARTS BREAKDOWN

## 230. LIVE/SIMULATOR EVENT PERFORMANCE REQUIREMENTS

1. General. The majority of the EAF Technician syllabus is ground training which requires in-depth integration within the MAW. Likewise, development of MAGTF training involving extensive integration with applicable elements of the MAGTF is mandatory in the development of a fully combat qualified EAF Technician.

a. Live Training. Training event condition codes listed as L (live), L/S (live preferred/simulator optional), and S/L (simulator preferred/live optional) in this syllabus designate training to be conducted without the aid of simulator devices. Training not conducted in the live training environment shall be replaced with simulation where applicable as indicated in the condition code.

b. Simulator Training. Training event condition codes listed as S (simulator), L/S (live preferred/simulator optional), and S/L (simulator preferred/live optional) in this syllabus designate training to be conducted in simulators when available and where applicable. Training not conducted in the simulators due to unavailability shall be replaced with live training

where applicable as indicated in the condition code.

2. Minimum Performance Time for Syllabus "Write-Off"/Designations. Personnel may receive credit for successful completion of any syllabus requirement (except qualifications) upon either a written, oral, or practical demonstration of proficiency, at the commanding officer's discretion.

Completion of 70 percent of any syllabus requirement (except qualifications) may be "certified" as complete at the discretion of the designated evaluator. Qualifications require a completed performance evaluation, and the designation signed by the commanding officer.

3. Evaluation of Training. Evaluation of those portions of the syllabus, which are academic in nature, will be conducted by either written/oral examination or a combination of the two means. Operational and system related subjects will be evaluated by practical application means whenever possible. Performance evaluation to qualify for mission qualifications and designations will be conducted per MCO P3500.14, Aviation T&R Manual, Administrative, and the standardized evaluation forms located in the appendix to this syllabus.

## 231. COMPONENTS OF A T&R EVENT

1. General. An event contained within a T&R manual is an individual or collective training standard and contains seven or eight components, dependent on the tier in which they are contained:

1/ <u>SAM-XXX</u>	2/ <u>0.5</u>	3/ <u>T,C,R</u>	4/ <u>E</u>	5/ <u>EQUIP</u>	6/ <u>L/S (NS)</u>
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Goal: The expeditionary airfield technician of a unit of work which needs to be done in the performance of a Marine's duties. It is a clearly stated performance-oriented action requiring learned skills and knowledge's, i.e., Engage a rotary winged aircraft.

Requirement: The condition(s) set for the real-world or combat circumstances in which the tasks are to be performed. They indicate what is provided (equipment, tools, materials, manuals, aids, etc.), environmental constraints or conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this should be stated.

Performance Standard: The performance standard indicates the basis for judging the effectiveness of the performance. It consists of a carefully worded statement, which identifies the proficiency level expected when the task is performed. It is not guidance, it is inviolate. Performance standards are specified in terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc.

Prerequisite: Provides a listing of academic training or other T&R events which must be completed prior to satisfying the task.

Reference: Listing of doctrinal or reference publications, which, may assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion.

Ordnance: A listing of Ordnance types and quantities required to satisfy the task.



External Syllabus Support: A listing or description of the external support requirement(s) which may be required to satisfy completion of the task. May include range requirements, support aircraft, targets, training devices, or other personnel and equipment.

NOTES:

1/ Events are coded per Appendix B of Aviation T&R Manual, Administrative, MCO P3500.14.

2/ Projected Event Duration is furnished as a planning tool.

3/ Denotes the applicable Program of Instruction (Basic POI is understood). POI Codes: **T** = transition; **C** = conversion; **R** = refresher; **Z** = reserve.

4/ An "**E**" indicates an Evaluated event.

5/ The equipment or activity sub-category is listed.

6/ Condition Code: **L** = live training; **S** = simulator training; **L/S** = live preferred/simulator optional; **S/L** = simulator preferred/live optional; **N** = Night; Where contained within ( ) denotes optional conditions.

232. COMBAT CAPABLE TRAINING

1. Purpose. Level 100 specific training events / instruction will be conducted at the Expeditionary Airfield Equipment School, Pensacola, as outlined by the school's most current approved POI.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (29 Events, 150.0 Hours)

1. Tools and Equipment

<u>T&amp;E-100</u>	<u>1.5</u>	<u>E</u>	<u>L</u>
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Goal. Identify EAF tools, equipment and their purpose.

Requirement. Without the aid of reference, and given the tools and equipment contained in the F-70, F-58 and L-95 student handout packages.

Performance Standard. Per the references listed below and at **100%** accuracy.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAVAIR 51-5-35

Ordinance. None.

External Syllabus Support. None.

T&E-101

3.0                      E                      L

Goal. Operate EAF power tools and equipment.

Requirement. Under supervision and given the shop's local SOP, operate the following tools:

- (a) Earth auger
- (b) Jackhammer
- (c) K-12 saw
- (d) Air/Pneumatic drill and crimper
- (e) Paving breaker
- (f) Load locker

Performance Standard. Per the reference listed below and established procedure.

Prerequisite. None.

Reference

- Local SOP
- NAVAIR 51-60A-1

Ordinance. None.

External Syllabus Support. None.

T&E-102

2.0                      E                      L

Goal. Maintain EAF tools and equipment.

Requirement. As an EAF Crewmember, and with the aid of references.

Performance Standard. Per the reference listed below and with **100%** accuracy.

Prerequisite. None.

Reference

- NAVAIR 51-60A-1

Ordinance. None.

External Syllabus Support. None.

T&E-103

8.0    L

Goal. Employ tools and equipment during AM-2 matting installation.



MMGT-106      1.0            E            L

Goal. Identify EAF organizational structure by drawing a flow chart.

Requirement. Without the aid of references.

Performance Standard. Per the reference listed below and with a 100% accuracy.

Prerequisite. None.

Reference

- Local SOP

Ordinance. None.

External Syllabus Support. None.

#### 4. Communications

COMM-107      4.0            E            L

Goal. Identify all components of a AN/PRC-139 EAF communication system.

Requirement. Without the aid of references and given an AN/PRC-139 EAF communication system.

Performance Standard. Per the reference listed below and with 100% accuracy.

Prerequisite. None.

Reference

- T.O. 31R2-2PRC139-1

Ordinance. None.

External Syllabus Support. None.

COMM-108      4.0            E            L

Goal. Assemble and operate AN/PRC-139 EAF communication system.

Requirement. Without the aid of references and given a AN/PRC-139 EAF communication system.

Performance Standard. Per the reference listed below and with 100% accuracy.

Prerequisite. None.

Reference

- T.O. 31R2-2PRC139-1

Ordinance. None.

External Syllabus Support. None.

COMM-109      1.0            E            L

Goal. Demonstrate hand and arm signals used for EAF operations with **100%** accuracy.

Requirement. Without the aid of references.

Performance Standard. Per the reference listed below, local SOP and with **100%** accuracy.

Prerequisite. None.

Reference

- NAVAIR 00-80T-115

Ordinance. None.

External Syllabus Support. None.

#### 5. Maritime Pre-positioning Force

MPF-110      1.0            E            L

Goal. Verbally explain the MPF program, the role of EAF in the MPF program, and EAF components currently aboard MPS.

Requirement. Explain, without the aid of references.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- NAWCADLKE-MISC 48J200-0028

Ordinance. None.

External Syllabus Sponsor. None.

#### 6. Airfield Surfacing (AM-2 MATTING)

AM2-111      1.0            E            L

Goal. Identify AM-2 matting and accessories and explain their function.

Requirement. Without the aid of references and given the following AM-2 matting and accessories:

- (a) AM-2 Matting.
- (b) Key lock.
- (c) Anchoring devices.
- (d) Connectors.
- (e) Hold back anchor.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- NAVAIR 51-60A-1

Ordinance. None.

External Syllabus Support. None.

AM2-112

8.0

E

L

Goal. Install AM-2 matting and accessories in a 96' X 96' VTOL pad configuration.

Requirement. With the aid of references and as an EAF crewmember given the necessary material, tools and equipment.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAVMC 2907
- OPNAV 4790.2 Series

Ordinance. None.

External Syllabus Support. None.

AM2-113

1.0

E

L

Goal. Identify the various AM-2 matting and aircraft operating surfaces.

Requirement. Without the aid or references, and given airfield diagrams.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAEC 51-8120
- NAVAIR 51-60A-1

Ordinance. None.

External Syllabus Support. None.

AM2-114

0.5

L

Goal. State the three patterns of AM-2 mat lay.

Requirement. Given the references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0011

Ordinance. None.

External Syllabus Support. None.

## 7. Airfield Lighting and Marking

AFLM-115      1.0              E              L

Goal. Identify and explain the function of EAF lighting components.

Requirement. Without the aid of references, and given the following EAF lighting components:

- (a) Runway lights.
- (b) Taxiway lights.
- (c) Approach lights.
- (d) Obstruction lights.
- (e) Rotation lights.
- (f) Threshold lights.
- (g) Rotating beacon.
- (h) Circling guidance lights.
- (i) Field marker lights.
- (j) Minimum Operating Strip Lighting System (MOSLS).
- (k) Centerline/Flush deck lights.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-40ABA-7
- NAVAIR 51-50ABA-15
- NAVMC 2907
- NAWCADLKE-MISC-48J200-0012
- OPNAV 4790.2 Series

Ordinance. None.

External Syllabus Support. None.

AFLM-116      30.0              E              L

Goal. Install EAF lighting components.

Requirement. With the aid of references and as an EAF lighting Crewmember, given the necessary material, tools and equipment.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-50ABA-16
- NAVAIR 51-40ABA-7
- NAVAIR 51-40ABA-7.1
- NAVMC 2907
- NAWCADLKE-MISC-48J200-0012
- NAWCADLKE-MISC-48J200-0020
- OPNAV 4790.2 Series

Ordinance. None.

External Syllabus Support. None.

8. Fresnel Lens Optical Landing System (FLOLS)

FLOLS-117    2.0            E            L

Goal. Set up a FLOLS.

Requirement. With the aid of references, a power source and a Fresnel Lens.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-40ABA-14
- MRC/MIP: 4922/RF8-34

Ordinance. None.

External Syllabus Support. None.

FLOLS-118    0.5            L

Goal. Perform Fresnel Lens Optical Landing System (FLOLS) pre-operational inspection.

Requirement. Given the FLOLS, a pre-operational inspection form and the reference.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- MRC/MIP: 4922/RF8-34

Ordinance. None.

External Syllabus Support. None.

9. M-21 Marine Corps Expeditionary Arresting Gear (MCEAG)



MCEAG-119      10.0            E                    L

Goal. Identify the major components of the M-21 arresting gear system and explain their function.

Requirement. Without the aid of references and given a M-21 arresting gear.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10
- MRC/MIP: 5861/R35-56

Ordinance. None.

External Syllabus Support. None.

MCEAG-120      3.0            E                    L

Goal. Install MCEAG.

Requirement. At a pre-determined site, as a runway crewmember and given an M-21 arresting gear system and references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10
- MRC/MIP: 5861/R35-56

Ordinance. None.

External Syllabus Support. None.

MCEAG-121      11.0            E                    L

Goal. Operate MCEAG.

Requirement. As a runway crewmember with the aid of references at an installed M-21 arresting gear site.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10

- MRC/MIP: 5861/R35-56
- M-21 Aircraft Recovery Bulletin 45-12 series

Ordnance. None.

External Syllabus Support. None.

MCEAG-122    26.0            E                    L

Goal. Perform I level maintenance on M-21 arresting gear retrieve and arrester engine.

Requirement. As a maintenance crewmember with the aid of references, an M-21 arresting gear retrieve and arrester engine.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10
- MRC/MIP: 5861/R35-56

Ordnance. None.

External Syllabus Support. None.

MCEAG-123    0.5            E                    L

Goal. Perform each position of MCEAG operations.

Requirement. Given MCEAG, the reference and a scenario involving aircraft arrested landings.

Performance Standard. Per the reference listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2

Ordnance. None.

External Syllabus Support

- Heavy Equipment

MCEAG-124    1.5            E                    L

Goal. Perform MCEAG pre-operational inspection.

Requirement. Given MCEAG, pre-operational inspection form, the references, and a requirement to perform a pre-operational inspection.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10
- MRC/MIP: 5861/R35-56

Ordinance. None.

External Syllabus Support

- Heavy Equipment

MCEAG-125      0.5              E              L

Goal. Perform MCEAG post-operational inspection.

Requirement. Given MCEAG, pre-operational inspection form, the references and a requirement to perform a pre-operational inspection.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10
- MRC/MIP: 5861/R35-56

Ordinance. None.

External Syllabus Support

- Heavy Equipment

10. E-28 Arresting Gear

E28-126      8.0              E              L

Goal. Identify the major components of the E-28 arresting gear system and explain their function.

Requirement. Without the aid of references and given a E-28 arresting gear.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5-31
- MRC/MIP: 5861/R28-44

Ordinance. None.

External Syllabus Support. None.

E28-127      11.0            E                    L

Goal.    Operate E-28 arresting gear.

Requirement.    As a runway crewmember with the aid of references at an installed E-28 arresting gear site.

Performance Standard.    Per the references listed below.

Prerequisite.    None.

References

- NAVAIR 51-5-31
- MRC/MIP: 5861/R28-44

Ordinance.    None.

External Syllabus Support.    None.

E28-128      8.0            E                    L

Goal.    Perform "O" level maintenance on E-28 arresting gear system.

Requirement.    As a maintenance crewmember with the aid of references and an E-28 arresting gear system.

Performance Standard.    Per the references listed below.

Prerequisite.    None.

References

- MRC/MIP: 5861/R28-44
- NAVAIR 51-5-31

Ordinance.    None.

External Syllabus Support.    None.

233.    COMBAT READY TRAINING

1. Purpose.    To develop proficiency as an EAF Technician. During this segment of the syllabus, the technician will operate Expeditionary Airfield Equipment in support of fixed/rotary wing aircraft operations.

a. General.    None.

(1) Administrative Notes.    None.

(2) Prerequisite.    None.

b. Crew Requirements.    None.

c. Academic Training.    FASOTRAGRU.

d. Live and Simulator Event Training (18 Events, 117.3 Hours)

## 2. Maintenance Management

MMGT-200

0.5

L

Goal. Complete a VIDS/MAF form.

Requirement. Given a VIDS/MAF form and a maintenance task.

Performance Standard. Per the references listed below.

Prerequisite. None.

### References

- OPNAV 4790.2 Series
- A5-120AA-WUC-800

Ordinance. None.

External Syllabus Support. None.

MMGT-201

A/R

Goal. Perform the duties of Technical Publication Librarian (TPL).

Requirement. Given a Technical Publication Library and references.

Performance Standard. Per the references listed below.

### Prerequisites

- (1) FASOTRAGRU Course E-555-0007.
- (2) FASOTRAGRU Course E-555-0028.

### References

- OPNAV 4790.2 Series
- NAVAIR 00-25-100

Ordinance. None.

### External Syllabus Support

- Marine Aviation Logistics Squadron (MALS)  
Central TPL

## 3. Communications

COMM-202

1.0

L

Goal. Program six frequencies into the AN/PRC-139(C).

Requirement. Given the nonstandard package and six frequencies.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAWCADLKE-MISC-48J200-0001
- Local SOP
- T.O. 31R2-2PRC139-1

Ordinance. None.

External Syllabus Support. None.

COMM-203

0.5

L/S

Goal. Perform proper recharge procedures for AN/PRC-139(C).

Requirement. Given an EAF Communications package and the appropriate references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAWCADLKE-MISC-48J200-0001
- Local SOP
- T.O. 31R2-2PRC139-1

Ordinance. None.

External Syllabus Support. None.

COMM-204

0.5

S

Goal. Demonstrate proper care and accountability of the AN/PRC-139(C).

Requirement. Given an EAF Communications package.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAWCADLKE-MISC-48J200-0001
- Local SOP
- T.O. 31R2-2PRC139-1

Ordinance. None.

External Syllabus Support. None.

#### 4. Maritime Pre-positioning Force

MPF-205

1.0

L/S

Goal. Load mat packages on a flatrack for shipment on MPS.

Requirement. Given a flatrack and mat packages.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVMC 2907
- OPNAV 4790.2 Series
- NAWCADLKE-MISC-48J200-0028
- NAWCADLKE-MISC-48J200-0053

Ordinance. None.

External Syllabus Support

- Forklift

5. Airfield Surfacing (AM-2 MATTING)

AM2-206

5.0

L

Goal. Install AM-2 matting and accessories.

Requirement. Given AM-2 matting and accessories with references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0003
- NAWCADLKE-MISC-48J200-0011
- NAWCADLKE-MISC-48J200-0021
- NAWCADLKE-MISC-48J200-0029

Ordinance

- M130 Blasting cap
- MD58

External Syllabus Support

- Forklift (10,000 lb cap.)
- Surveyor

AM2-207

0.5

L

Goal. Perform a maintenance inspection on AM-2 matting installation.

Requirement. Given AM-2 matting installation and local MRC.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0011
- NAWCADLKE-MISC-48J200-0021
- NAWCADLKE-MISC-48J200-0029
- Local MRC(s)

Ordinance. None.

External Syllabus Support

- Forklift (10,000 lb cap.)

AM2-208

2.0

L

Goal. Remove and repackage AM-2 matting and accessories.

Requirement. Given AM-2 matting and accessories and references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- DDR 06-IS-0058
- DDR 06-IS-0050

Ordinance. None.

External Syllabus Support

- Forklift (10,000 lb cap.)

## 6. Airfield Lighting and Marking

AFLM-209

1.0

L

Goal. Install EAF lighting/marketing components.

Requirement. Given EAF lighting components and with the references.

Performance Standard. Per the references listed below.

Prerequisite

- (1) Basic Electricity MCI Course (11.41).

References

- NAVAIR 51-40ABA-7
- NAWCADLKE-MISC-48J200-0012
- NAWCADLKE-MISC-48J200-0020
- NAWCADLKE-MISC-48J200-0048
- NAWCADLKE-MISC-48J200-0063



Ordnance. None.

External Syllabus Support. None.

## 7. Fresnel Lens Optical Landing System (FLOLS)

FLOLS-210      2.5      L

Goal. Perform scheduled FLOLS inspections.

Requirement. Given the FLOLS, an inspection form and the reference.

Performance Standard. Per the references listed below.

### Prerequisite

- (1) Basic Electricity MCI Course (11.41).

### References

- MRC/MIP: 4922/RF8-60
- NAVAIR 51-40ABA-14
- NAEC-ENG-7390

Ordnance. None.

External Syllabus Support. None.

## 8. Marine Corps Expeditionary Arresting Gear

MCEAG-211      72.0      L/S

Goal. Install the MCEAG.

Requirement. Given a scenario requiring MCEAG, and the references.

Performance Standard. Per the references listed below.

### Prerequisite

- (1) Completion of the EAF "A" School (C-604-2015).

### References

- NAVAIR 51-5EAA-2
- NAWCADLKE-MISC-48J200-0013
- NAVAIRINST 13800.12B
- NAVSEA OP 5, VOL 3

### Ordnance

- M130 Blasting cap
- MD58

### External Syllabus Support

- Tram/EBFL
- Surveyor

- EASU Rep

MCEAG-212      0.15      L/S

Goal. Operate the MCEAG.

Requirement. Given a scenario requiring MCEAG, references and the appropriate equipment.

Performance Standard. Per the references listed below.

Prerequisite

(1) Completion of the EAF "A" School (C-604-2015).

References

- NAVAIR 51-5EAA-2
- NAVAIRINST 13800.12B
- NATOPS-00-80T-115

Ordinance. None.

External Syllabus Support

- Forklift
- HMMWV
- M998
- 5 TON M813
- 5 TON M923

MCEAG-213      4.0      L

Goal. Maintain the MCEAG.

Requirement. Given MCEAG, the references and the appropriate equipment.

Performance Standard. Per the references listed below.

Prerequisite

(1) Completion of the EAF "A" School (C-604-2015).

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-67
- MRC/MIP: 5861/R35-71

Ordinance. None.

External Syllabus Support

- Forklift
- HMMWV
- M998

MCEAG-214      24.0      L

Goal. Inspect and prepare MCEAG packages for shipment.



Requirement. Given MCEAG, pre-operational inspection form, the references, and a requirement to perform a pre-operational inspection.

Performance Standard. Per the references listed below.

Prerequisite.

(1) Completion of the EAF "A" School (C-604-2015).

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R35-71
- MRC/MIP: 5861/R36-67

Ordinance. None.

External Syllabus Support

- Heavy Equipment
- HMMWV
- M998

MCEAG-217

0.5

L

Goal. Perform MCEAG post-operational inspection.

Requirement. Given MCEAG, pre-operational inspection form, references and a requirement to perform a pre-operational inspection.

Performance Standard. Per the references listed below.

Prerequisite

(1) Completion of the EAF "A" School (C-604-2015).

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R35-71
- MRC/MIP: 5861/R36-67

Ordinance. None.

External Syllabus Support

- Heavy Equipment
- HMMWV
- M998

234. COMBAT QUALIFICATION TRAINING

1. Purpose. To refine proficiency as an EAF Technician. During this segment of the syllabus, the EAF Technician will operate and maintain EAF equipment for fixed wing and rotary wing aircraft. Maintenance will include upper level maintenance and troubleshooting.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. FASOTRAGRU.

d. Live and Simulator Event Training (35 Events, 150.0 Hours)

2. Maintenance Management

MMGT-300      A/R

Goal. Perform the duties of the work center supervisor.

Requirement. Given a work center and with the given reference.

Performance Standard. Per the reference listed below

Prerequisite

(1) CDI/CDQAR, FASOTRAGRU Course.

Reference

- OPNAV 4790.2 Series

Ordinance. None.

External Syllabus Support. None.

MMGT-301      A/R

Goal. Identify fiscal requirements to support the EAF program.

Requirement. Given an Airtask, fiscal input and the TEEP.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- Air Task (NAVAIR form 3930/1)
- TEEP

Ordinance. None.

External Syllabus Support. None.

MMGT-302      A/R

Goal. Prepare EAF portion of AOM.

Requirement. Given a task and references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAWCADLKE-MISC-48J200-0028
- NAWCADLKE-MISC-48J200-0003
- NAVAIR 00-80T-115

Ordinance. None.

External Syllabus Support. None.

3. Maritime Pre-positioning Force

MPF-303      0.5      L

Goal. Explain in detail EAF assets available aboard Maritime Pre-positioning Squadrons.

Requirement. Per given references.

Performance Standard. Per the references listed below and with **100%** accuracy.

Prerequisite. None.

References

- NAWCADLKE-MISC-48J200-0024
- NAWCAKLKE-MISC-48J200-0028

Ordinance. None.

External Syllabus Support. None.

4. AM-2 Matting

AM2-304      24.0      L

Goal. Design an EAF.

Requirement. Given a scenario, the references and appropriate design materials.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIRINST 13800.12
- NAVAIR 51-60A-1

- NAVSEA OP 5 (VOL-3)
- NAVFAC P80-3
- NAVAIR 00-80T-115
- NAWCADLKE-MISC-48J200-0021
- NAWCADLKE-MISC-48J200-0011
- NAWCADLKE-MISC-48J200-0010

Ordinance. None.

External Syllabus Support. None.

AM2-305

2.0

L

Goal. Supervise site survey for an AM-2 matting installation.

Requirement. Given a requirement to survey a site for an AM-2 matting installation and with the given references.

Performance Standard. Per the references listed below.

Prerequisite. None.

#### References

- NAVAIRINST 13800.12A
- NAVAIR 51-60A-1
- NAVSEA OP 5 (VOL-3)
- NAVFAC P80-3
- NAVAIR 00-80T-115
- NAWCADLKE-MISC-48J200-0021
- NAWCADLKE-MISC-48J200-0011
- NAWCADLKE-MISC-48J200-0010

Ordinance. None.

External Syllabus Support. None.

AM2-306

10.0

L

Goal. Supervise AM-2 matting installation and accessories.

Requirement. Given an AM-2 matting installation scenario and with the given references.

Performance Standard. Per the references listed below.

Prerequisite. None.

#### References

- NAVAIRINST 13800.12A
- NAVAIR 51-60A-1
- NAVSEA OP 5 (VOL-3)
- NAVFAC P80-3
- NAVAIR 00-80T-115
- NAWCADLKE-MISC-48J200-0021
- NAWCADLKE-MISC-48J200-0011
- NAWCADLKE-MISC-48J200-0010

Ordinance. None.

External Syllabus Support. None.

AM2-307

2.0

L

Goal. Supervise the removal and repackaging of AM-2 matting and accessories.

Requirement. Given a scenario requiring removal and repackaging of AM-2 matting and accessories.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0011

Ordinance. None.

External Syllabus Support. None.

AM2-308

0.5

L

Goal. Supervise a maintenance inspection on AM-2 matting installation.

Requirement. Given the requirement to inspect an AM-2 matting installation and with the given references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0011
- NAWCADLKE-MISC-48J200-0029

Ordinance. None.

External Syllabus Support

- Forklift

AM2-309

A/R

Goal. Plan and supervise installation of aircraft revetments.

Requirement. Given task and reference.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- NAWCADLKE-MISC-48J200-0010



Ordinance. None.

External Syllabus Support. None.

AM2-310

A/R

Goal. Coordinate logistical support for installation and maintenance of AM-2 matting.

Requirement. Given the commander's intent and the reference given.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- Local SOP

Ordinance. None.

External Syllabus Support. None.

## 5. Fresnel Lens Optical Landing System (FLOLS)

FLOLS-311

2.0

L

Goal. Supervise scheduled FLOLS inspections.

Requirement. Given a FLOLS inspection schedule and a requirement to conduct a FLOLS inspection.

Performance Standard. Per the references listed below.

Prerequisite

- (1) Basic Electricity MCI Course (11.41).

References

- MRC/MIP: 4922/RF8-34
- NAVAIR 51-40ABA-14
- NAEC-ENG-7390

Ordinance. None.

External Syllabus Support. None.

FLOLS-312

A/R

Goal. Coordinate logistical support for FLOLS installation, operation and maintenance.

Requirement. Given the commander's intent.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- Local SOP

Ordinance. None.

External Syllabus Support. None.

6. Airfield Lighting and Marking

AFLM-313

1.0

L

Goal. Supervise EAF lighting and marking components installation.

Requirement. Given EAF lighting components and tasked to install EAF lighting components.

Performance Standard. Per the references listed below.

Prerequisite

- (1) Basic Electricity MCI Course (11.41).
- (2) EASU/MTT Training.

References

- NAVAIR 51-40ABA-7
- NAVAIR 51-40ABA-7.1
- NAVAIR 51-50ABA-16
- NAWCADLKE-MISC-48J200-0012
- NAWCADLKE-MISC-48J200-0020
- NAWCADLKE-MISC-48J200-0063

Ordinance. None.

External Syllabus Support

- Generator (if applicable)

AFLM-314

A/R

Goal. Coordinate logistical support for airfield lighting installation, operation, and maintenance.

Requirement. Given the commander's intent and per the reference.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- Local SOP

Ordinance. None.

External Syllabus Support. None.

7. Marine Corps Expeditionary Arresting Gear (MCEAG)MCEAG-31572.0LGoal. Supervise MCEAG installation.Requirement. Given MCEAG and tasked to install MCEAG.Performance Standard. Per the references listed below.Prerequisite. None.References

- NAVAIR 51-5EAA-2
- NAWCADLKE-MISC-48J200-0013
- NAVINST 13800.12B

Ordinance. None.External Syllabus Support

- Heavy Equipment
- Surveyor
- Forklift

MCEAG-316A/RLGoal. Supervise MCEAG operations.Requirement. Given a scenario involving MCEAG operations and references.Performance Standard. Per the references listed below.Prerequisite

- (1) Completion of the EAF "A" School (CID: C-604-2015).

References

- NAVAIR-51-5EAA-2
- M-21 Aircraft Recovery Bulletin 45-12K
- NAVAIR 00-80T-115

Ordinance. None.External Syllabus Support

- Heavy Equipment
- HMMWV / M998

MCEAG-3174.0LGoal. Supervise MCEAG maintenance.Requirement. Given MCEAG and with the references.Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-67
- MRC/MIP: 5861/R36-10

Ordinance. None.

External Syllabus Support

- Heavy Equipment
- HMMWV / M998

MCEAG-318

24.0

L

Goal. Inspect and prepare MCEAG packages for shipment.

Requirement. Given MCEAG packages and references.

Performance Standard. Per the given reference and with a **100%** accuracy.

Prerequisite

(1) Completion of the EAF "A" School (CID: C-604-2015).

Reference

- NAVAIR 51-5EAA-2

Ordinance. None.

External Syllabus Support

- Heavy Equipment
- HMMWV / M998
- 5 TON M813
- 5 TON M923

MCEAG-319

A/R

E

Goal. Perform duties of the runway crew leader.

Requirement. When assigned as a runway crew leader and with references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- NAVAIR 00-80T-115
- Local SOP

Ordinance. None.

External Syllabus Support

- Heavy equipment
- HMMWV / M998

MCEAG-320    1.0

Goal. Supervise scheduled MCEAG inspection.

Requirement. Given MCEAG inspection schedule and a requirement to conduct MCEAG inspection.

Performance Standard. Per the references listed below.

Prerequisite

(1) Completion of the EAF "A" School (CID: C-604-2015).

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10
- MRC/MIP: 5861/R35-67
- NAWCADLKE-MISC-48J200-0013

Ordinance. None.

External Syllabus Support

- Heavy Equipment
- HMMWV / M998

MCEAG-321    A/R

Goal. Coordinate logistical support for MCEAG installation, operation and maintenance.

Requirement. Given the commander's intent and per the reference.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- Local SOP

Ordinance

- M-130 Blasting cap (40 ea)
- MD58 (40 ea)

External Syllabus Support. None.

MCEAG-322    A/R

Goal. Install and test an LEA.

Requirement. Given task and references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- NAVAIR 51-60A-1
- NAVSEA OP 5, VOL 3
- NAWCADLKE-MISC-48J200-0011

Ordnance

- M-130 Blasting Cap
- MD58

External Syllabus Support. None.

8.Operations

OPS-323      A/R

Goal. Coordinate personnel and equipment requirements in support of current operational plans.

Requirement. Given an Operational Plan, Time Phased Force Deployment Data (TPFDD) and Training, Exercise, and Employment Plan (TEEP).

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80T-115
- NAWCADLKE-MISC-48J200-0003
- NAWCADLKE-MISC-48J200-0010

Ordnance. None.

External Syllabus Support. None.

OPS-324      A/R

Goal. Manage EAF assets distribution and accountability.

Requirement. Given the EAF assets report and Table of Basic Allowances.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVICP 00-35T-37-4
- NAVAIRINST 4444.10

Ordnance. None.

External Syllabus Support. None.

9. Survey Liaisons and Reconnaissance Party (SLRP)

SLRP-325      A/R

Goal. Participate as a member of an SLRP, conduct a site survey of an airfield, and determine EAF requirements.

Requirement. As a member of a SLRP and given a SLRP checklist and concept of operations.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80T-115
- SLRP Checklist

Ordinance. None.

External Syllabus Support. None.

10. Training

TRNG-326      A/R

Goal. Evaluate and monitor training of EAF personnel.

Requirement. Given the current T&R standards and current SAV/FAI checklists.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- MCO 3500.67

Ordinance. None.

External Syllabus Support. None.

11. Expeditionary Certification

CERTAM2-327 A/R

Goal. Perform expeditionary certification on AM-2 matting.

Requirement. Given a task and reference.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0029
- NAWCADLKE-MISC-48J200-0011

Ordinance. None.

External Syllabus Support. MHE.

CERTAG-328 A/R

Goal. Perform expeditionary certification on MCEAG.

Requirement. Given the task and reference.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- NAWCADLKE-MISC-48J200-0013

Ordinance. None.

External Syllabus Support

- MHE
- Surveyor

CERTLM-329 A/R

Goal. Perform expeditionary certification on EAF Lighting and Marking.

Requirement. Given the task and reference.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-50ABA-7
- NAVAIR 51-50ABA-7.1
- NAVAIR 51-50ABA-14
- NAWCADLKE MISC-48J200-0012
- NAWCADLKE-MISC-48J200-0020
- NAWCADLKE-MISC-48J200-0063
- NAEC-ENG-7390 (B)
- NAVAIRINST 13800.12 series

Ordinance. None.

External Syllabus Support. None.

11. Expeditionary Airfield Capabilities



BRIEF-330     A/R

Goal.    Prepare and present briefing on EAF capabilities.

Requirement.    Given the references, commander's intent, and geographical situation.

Performance Standard.    Per the references listed below.

Prerequisite.    None.

References

- NAWCADLKE-MISC-48J200-0028
- NAWCADLKE-MISC-48J200-0027
- NAWCADLKE-MISC-48J200-0018
- NAWCADLKE-MISC-48J200-0010

Ordinance.    None.

External Syllabus Support.    None.

12.    Communications

COMM-331     A/R

Goal.    Identify Communications Requirements.

Requirement.    Given the task and reference.

Performance Standard.    Per the references listed below.

Prerequisite.    None.

References

- T.O. 31R2-2PRC139-1
- NAWCADLKE-MISC-48J200-0001

Ordinance.    None.

External Syllabus Support.    None.

13.    Planning

PLNG-332     A/R

Goal.    Plan for installation of aircraft revetments.

Requirement.    Given the task and reference.

Performance Standard.    Per the reference listed below.

Prerequisite.    None.

References

- NAVSEA OP 3565
- NAWCADLKE-MISC-48J200-0010

Ordnance. None.

External Syllabus Support. None.

14. High Power Turn-up

HPTU-333      A/R

Goal. Install a High Power Turn-up.

Requirement. Given the task and reference.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0011
- NAVSEA OP 3565

Ordnance

- M130 Blasting cap
- MD58

External Syllabus Support

- Heavy Equipment

HPTU-334      A/R

Goal. Supervise the installation of a High Power Turn-up.

Requirement. Given the task and reference.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0011
- NAVSEA OP 3565

Ordnance. None.

External Syllabus Support. Heavy Equipment.

235. FULL COMBAT QUALIFICATION TRAINING

1. Purpose. To be fully proficient as an EAF Technician. During this segment of the syllabus, the EAF Technician will participate in Joint Operations planning, BRAAT planning, and perform an expeditionary certification on High Power Turn-up.

a. General. None.

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. None.

d. Live and Simulator Event Training (3 Events, 5.0 Hours)

2. Joint OperationsJTOPS-400 1.0

Goal. Participate in Joint Operations planning.

Requirement. Given the task.

Performance Standard. None.

Prerequisite. None.

Reference. None.

Ordinance. None.

External Syllabus Support. None.

3. Base Recovery After Attack (BRAAT)BRAAT-401 2.0

Goal. Participate in BRAAT planning.

Requirement. Given the task and reference.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- DDR 91-1201 (D)

Ordinance. None.

External Syllabus Support. None.

4. Expeditionary Certification (High Power Turn-up)

HPTU-402      2.0

Goal. Perform expeditionary certification on High Power Turn-up installation.

Requirement. Given the task and references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- NAWCADLKE-MISC-48J200-0011

Ordinance. None.

External Syllabus Support

- Heavy Equipment

240. SPECIAL TRAINING REQUIREMENTS. There has been a requirement established for a follow-on formal course of instruction. The formal school in Pensacola, FL is currently developing this course. The plan for this course is to fulfill a 300 level requirement.

270. PROFICIENCY INTERVALS. Tables 2-6 thru 2-8 list the proficiency intervals for the Combat Readiness, Combat Qualification, and Full Combat Qualification training levels.

Table 2-6.--EAF Technician Proficiency Interval For The  
Combat Readiness Training Level.

EVENT	CODE	HOURS	PROFICIENCY INTERVAL	CRP	R	E	CONDITIONS & REMARKS
MMGT	200	.5	12	.9	X		L
	201	A/R	12	.9	X		
COMM	202	1.0	12	1.0	X		L
	203	.5	12	.9	X		L/S
	204	.5	12	.9	X		S
MPF	205	1.0	12	1.0	X		L/S
AM2	206	5.0	12	1.5	X		L
	207	.5	12	.9	X		L
	208	2.0	12	1.25	X		L
AFLM	209	2.5	12	1.25	X		L
FLOLS	210	2.5	12	1.25	X		L
MCEAG	211	72.0	12	1.75	X		L
	212	.3	6	.9	X		L/S
	213	4.0	12	1.25	X		L
	214	24.0	12	1.5	X		L
	215	.5	6	.95	X		L/S
	216	1.5	6	1.0	X		L
	217	.5	12	.9	X		L
<b>TOTAL</b>	<b>18</b>	<b>117.3</b>		<b>20%</b>			

Table 2-7.--EAF Technician Proficiency Interval For The Combat Qualification Training Level.

EVENT	CODE	HOURS	PROFICIENCY INTERVAL	CRP	R	E	CONDITIONS & REMARKS
MMGT	300	A/R	N/A	.5			
	301	A/R	N/A	.5			
	302	A/R	N/A	.5			
MPF	303	.5	N/A	.5			L
AM2	304	24.0	12	.5	X		L
	305	2.0	12	.5	X		L
	306	10.0	12	.5	X		L
	307	2.0	12	.5	X		L
	308	.5	12	.6	X		L
	309	A/R	N/A	.6			
	310	A/R	N/A	.5			
FLOLS	311	2.0	12	.6	X		L
	312	A/R	N/A	.5			
AFLM	313	1.0	12	.6	X		L
	314	A/R	N/A	.6			
MCEAG	315	72.0	12	.6	X		L
	316	A/R	12	.6	X		L
	317	4.0	12	.6	X		L
	318	24.0	12	.6	X		L
	319	A/R	12	.6		X	
	320	1.0	12	.6	X		
	321	A/R	N/A	.6			
	322	A/R	N/A	.6			
OPS	323	A/R	N/A	.5			
	324	A/R	N/A	.5			
SLRP	325	A/R	12	.5	X		
TRNG	326	A/R	N/A	.5			
CERTAM2	327	A/R	12	.5	X		
CERTAG	328	A/R	N/A	.5			
CERTLM	329	A/R	N/A	.5			
BRIEF	330	A/R	12	.5	X		
COMM	331	A/R	N/A	.5			
PLNG	332	A/R	N/A	.5			
HPTU	333	A/R	N/A	.5			
HPTU	334	A/R	N/A	.5			
<b>TOTAL</b>	<b>35</b>	<b>150.0</b>		<b>15%</b>			

Table 2-8.--EAF Technician Proficiency Interval For The Full Combat Qualification Training Level.

EVENT	CODE	HOURS	PROFICIENCY INTERVAL	CRP	R	E	CONDITIONS & REMARKS
JTOPS	400	1.0	N/A	1.0		X	S/L
BRAAT	401	2.0	N/A	2.0		X	S/L
HPTU	402	2.0	N/A	2.0			L
<b>TOTAL</b>	<b>03</b>	<b>5.0</b>		<b>5%</b>			

280. EVENT UPDATE CHAINING. Table 2-9 lists the event update chaining for the Expeditionary Airfield Technician (MOS 7011).

Table 2-9.--EAF Technician Training Update Chaining.

EVENTS	EVENTS UPDATED
300	200
305	206
306	206
307	208
308	207
311	210
313	209
315	211
316	212
317	213, 216, 217
318	214
319	200, 210, 212, 213, 215, 216, 217, 300, 311, 316, 317
320	217
324	300
325	305
327	206, 306
328	211, 212, 213, 216, 217, 316, 317, 318, 321, 322
329	209, 210, 311, 313
330	302, 303, 304, 310, 312, 314, 321
332	309
334	333
400	330
401	330
402	333, 334

## CHAPTER 3

EXPEDITIONARY AIRFIELD FIRE AND EMERGENCY SERVICES OFFICER  
(EAF/F&ES OFFICER)

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CHAPTER 3

EXPEDITIONARY AIRFIELD FIRE AND EMERGENCY SERVICES OFFICER  
(EAF/F&ES OFFICER)

300. INTRODUCTION

1. The purpose of the Marine Aviation Training and Readiness (T&R) program is to provide the commander with standardized programs of instruction for all aviation personnel. The goal is to develop unit WARFIGHTING capabilities, not to measure the proficiency of individuals. Syllabi are based on specific performance standards designed to ensure proficiency in core competencies. An effective T&R program is the first step in providing the MAGTF Commander with an Aviation Combat Element (ACE) capable of accomplishing any and all of its stated missions. The T&R program provides the fundamental tools for commanders to build and maintain unit combat readiness. Using these tools, unit training supervisors can construct and execute an effective training plan which supports the unit's mission essential tasks.

2. Unit Training Management is the application of the Marine Corps Training Principles and the Systems Approach to Training to satisfy the training requirements of Commanders at all levels in order to accomplish their wartime missions. Guidance concerning unit training management and the process for establishing effective unit training management programs are contained in MCRP 3-0A, UTM Guide, and form the basis for the development of this T&R Manual. Familiarity with MCRP 3-0A will enhance understanding of the Systems Approach to Training used in T&R development and Marine Corps UTM principles.

3. The Marine Corps Combat Readiness Evaluation System (MCCRES) and the T&R program are inextricably linked. The events contained within the T&R syllabus provide the basis of individual and collective skills, which enable units to satisfy the requirements as, outlined in their applicable volume of the MCCRES.

301. SUMMARY/INDEX OF LIVE/SIMULATED EVENTS

1. Combat Capable Stage. The purpose of the 100 level syllabus (entry-level) is to introduce the EAF/F&ES Officer to Firefighting Principles and Protection (Structural and Airport). Additionally, introduction to EAF training encompasses installment, operation, maintenance and the providing of Expeditionary Airfield (EAF) support. During this level of training the officer will become familiar with mission requirements and associated equipment required to provide emergency response and EAF services. The specific training events/instruction are in accordance with and governed by the latest approved Programs of Instruction conducted at both the Expeditionary Airfield Services School in Pensacola, Florida and the Louis F. Garland Fire Academy, San Angelo, Texas.

Note: Fire Fighter applicants must be given, and pass, a physical examination, in accordance with NFPA 1582, prior to attending formal course.

2. Combat Ready Stage. Tables 3-1 thru 3-3 contain a listing of the MOS 7002 Combat Ready, Combat Qualification and Full Combat Qualification stages of training and associated page numbers.

Table 3-1.--EAF/F&amp;ES Officer Combat Readiness Training List.

EVENT	GOAL	PAGE
MMGT-200	Manage EAF Naval Aviation Maintenance Program.	3-14
AM2-201	Design an EAF to support MAGTF requirements.	3-14
AM2-202	Conduct a site survey to determine EAF/ARFF requirements in support of MAGTF operations.	3-15
AM2-203	Supervise installation of EAF surfacing materials.	3-15
AM2-204	Supervise the removal and repackaging of EAF Surfacing and accessories.	3-16
TGS-205	Supervise the installation of Terminal Guidance Systems.	3-16
AFLM-206	Supervise the installation of EAF lighting components.	3-16
MCEAG-207	Supervise the installation of MCEAG Systems.	3-17
MCEAG-208	Supervise operation of MCEAG Systems.	3-17
MCEAG-209	Supervise the reconstitution of MCEAG Systems series packages.	3-18
MPF-210	Identify EAF/ARFF assets and capabilities within MPF program.	3-18
NATOPS-211	Supervise a Hazardous Material operations level response.	3-18
NATOPS-212	Supervise aircraft emergency operations involving ordnance.	3-19
NATOPS-213	Identify emergency airfield communications requirements.	3-19
ADMIN-214	Manage the MIMMS program for assigned ARFF equipment.	3-19
ADMIN-215	Review and/or revise EAF/ARFF related directives.	3-20
ADMIN-216	Manage ARFF related programs.	3-20
ADMIN-217	Prepare and submit budget requirements to acquire and maintain EAF/ARFF equipment.	3-21
OPS-218	Supervise aircraft emergencies.	3-21
OPS-219	Supervise structural emergencies.	3-22
OPS-220	Identify ARFF/Structural personnel and equipment requirements at a Forward Operating Base.	3-22
OPS-221	Supervise ARFF procedures during Base Recovery After Attack (BRAAT).	3-23
TRNG-223	Obtain Fire Instructor I Certification.	3-23
TRNG-224	Obtain Fire Instructor II Certification.	3-23
TRNG-225	Obtain Fire Officer I Certification.	3-24
TRNG-226	Complete WTI.	3-24
TRNG-227	Attend and complete Naval Aviation Maintenance Officers Course (Crse No. XXXX)	3-24

Table 3-2.--EAF/F&amp;ES Officer Combat Qualification Training List.

EVENT	GOAL	PAGE
OPS-300	Coordinate personnel and equipment requirements in support of current operational plans.	3-25
OPS-301	Manage EAF assets distribution and accountability through validation of EAF assets report.	3-26
OM&N-302	Identify fiscal requirements to support the EAF program.	3-26
SLRP-303	As a member of a SLRP, conduct a site survey of an airfield and determine EAF/ARFF requirements.	3-26
AM2-304	Coordinate logistic support for installation and maintenance of EAF SURFACING systems.	3-27
TRNG-305	Monitor unit EAF training to ensure compliance with established programs and stated mission objectives.	3-27
TRNG-306	Monitor unit ARFF training to ensure compliance with established programs and stated mission objectives.	3-27
LOG-307	Coordinate logistics support for EAF system's installation, certification, operation and maintenance.	3-28
CERT-308	Request and perform an "Expeditionary Certification of EAF surfacing system."	3-28
CERT-309	Request and perform an "Expeditionary Certification of MCEAG systems."	3-29
CERT-310	Request and perform an "Expeditionary Certification of EAF Terminal Guidance Systems."	3-29
CERT-311	Request and perform an "Expeditionary Certification of EAF marking and lighting."	3-30
CERT-312	Request and perform an "Expeditionary Certification of EAF High Power Turn Up system."	3-30
SAL-313	Supervise aircraft salvage operations.	3-31
ADMIN-314	Provide the necessary information for the establishment of Memorandums of Understanding (MOU), Memorandums of Agreement (MOA) and Letters of Instruction (LOI) as it pertains to EAF/ARFF procedures and agreements while in support of Host Nation/Joint and Coalition operations.	3-31
OPS-315	Establish and maintain a shipboard fire fighting contingent to support operations.	3-32
NATOPS-316	Perform as Incident Commander during the mitigation of a Hazardous Material incident.	3-32
PLAN-317	Plan and execute a mass casualty training exercise.	3-33
INSP-318	Coordinate and conduct a Commanding General's Inspection (CGI).	3-33
TRNG-319	Obtain Fire Officer II Certification.	3-34
TRNG-320	Obtain Fire Officer III Certification.	3-34

Table 3-3.--EAF/F&amp;ES Officer Full Combat Qualification Stage.

EVENT	GOAL	PAGE
MPF-400	Coordinate the employment and maintenance of EAF/ARFF assets within MPF.	3-35
CERT-401	Authorize expeditionary certification, Approve /Disapprove certification and review certification reports.	3-35
PLAN-402	Plan FOB support for Joint/NATO and Coalition forces.	3-36
WMD-403	Establish SOP for response to CBRNE incidents.	3-36
TRNG-404	Obtain Fire Officer IV certification.	3-37

### 302. UNIT TRAINING POLICIES

1. The unit's training program emphasizes qualifications and the overall combat readiness of the unit. Individual training serves as the building block for overall unit readiness. However, unit training must not be compromised for the training of a select few individuals. Squadron and battalion commanding officers will ensure that this training philosophy is implemented. Unit training must predominate, and squadrons must tailor their training plans to ensure unit combat readiness.

2. The training of Marines to perform as an integral aviation unit in combat lies at the heart of the T&R program. Unit readiness and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform those critical skills required in combat is essential.

3. Commanders shall ensure that all tactical training is conducted to MCCRES standard. The MCCRES, as outlined in MCO P3501.1, is the unit training standard, and all syllabus events shall be tailored to meet MCCRES requirements. Commanders at all levels are responsible for effective aviation training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be overemphasized.

4. Commanders must be cognizant of the numerous factors affecting unit training on a daily basis. Factors, which all commanders must address include, but are not limited to:

a. Efficiency. Time and resources expended are measurements for training efficiency. Commanders must ensure that all training increases combat readiness. Unit personnel shall thoroughly plan and effectively execute training to maximize the return on their time and effort.

b. Individual Differences. Commanders must recognize the differences inherent in each individual and should mold flexible training programs to accommodate those differences.

c. Decentralization of Training. The lowest echelon possible shall be responsible for conducting training. Each senior level of command must monitor subordinate levels to ensure safe and efficient training.

5. Commanders shall provide personnel the opportunities to attend formal and operational level courses of instruction as required by this Manual. Attendance at all formal courses must enhance the warfighting capabilities of the unit.

6. Risk Management. Operational Risk Management (ORM) is a process to aid

commanders in accomplishing their missions while protecting the force. Commanders, leaders, maintainers, planners, and schedulers should integrate risk assessment in the decision making process and implement hazard controls to eliminate risk or reduce it to acceptable level.

### 303. EAF/F&ES OFFICER TRAINING PROGRESSION PHILOSOPHY

1. The Expeditionary Airfield/Fire and Emergency Services Officer (EAF/F&ESO), MOS 7002 Training Progression philosophy is designed to develop a proficient and full-combat capable EAF/F&ES Officer. The purpose of this training program is to standardize EAF/F&ES Officer training syllabi throughout the Marine Corps. This program prescribes certain events, tasks to be accomplished during each event, and the refly factor for skill retention.
2. At the Combat Capable Tier (100 level), the EAF/F&ES Officer is introduced to the basic performance requirements for installation, operation, maintenance and certification of Aeronautical EAF equipment and to basic Fire Protection Fundamentals, Emergency Medical Care, Structural Firefighting Principles, Hazardous Material and Airport Fire Fighting. During this segment of the Training Progression, the officer will become familiar with mission requirements and equipment necessary to provide emergency response services. The Expeditionary Airfield NATOPS Manual and equipment technical manuals provide the information to accomplish these tasks.
3. During the Combat Ready Tier (200 level) of the syllabus, the EAF/F&ES Officer applies the skills and information learned in the 100-level events (entry-level school). The EAF/F&ES Officer will operate and maintain Expeditionary Airfield Equipment in support of fixed/rotary wing aircraft operations. Maintenance will include organizational and intermediate level maintenance and troubleshooting. This level also provides task oriented training, resident schools, and certifications. The 200 level training culminates with qualifications as an Incident Commander and certification as Fire Officer I and Fire Instructor II.
4. At the Combat Qualification Stage (300 level), the EAF/F&ES Officer is introduced to integration concepts and concerns that would be encountered in a contingency environment. The EAF/F&ES Officer will plan and supervise the deployment, installation, operation, and maintenance of EAF and ARFF equipment for fixed wing and rotary wing aircraft. Advanced operational planning and fiscal requirements are also introduced. The 300 level culminates with completion of Weapons Tactics Instructor Course and certification as a Fire Officer III.
5. In the Full Combat Qualification Training (400 level), the EAF/F&ES Officer is introduced to integration concepts and concerns that would be encountered in joint operational environment. It will include designing Expeditionary Airfields, coordinating the movement of EAF equipment for use on operations and supervising the installation of EAF equipment to meet certification criteria. Additionally, the EAF/F&ES Officer will assist in planning/coordinating fire protection for Wing level deployments and certification as a Fire Officer IV. This level of training will prepare the EAF/F&ES Officer for special assignment to high-level staff billets, such as MARFORLANT/PAC, ASL, and NAVAIRSYSCOM billets.

304. EAF/F&ES OFFICER TRAINING PROGRESSION MODEL. The Training Progression Model for the EAF/F&ES Officer (MOS 7002) is depicted in figure 3-1.

### EAF/F&ES OFFICER TRAINING PROGRESSION

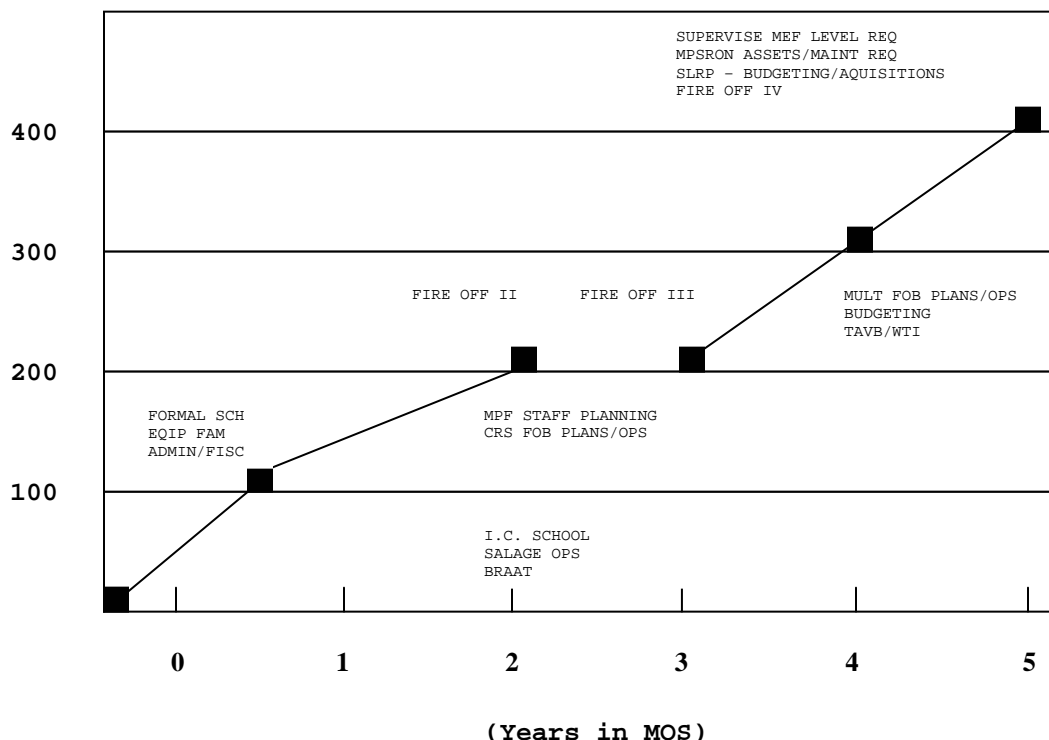


Figure 3-1.--EAF/F&ES Officer Training Progression Model.

2. This model depicts the **logical progression of qualifications** within a unit. The base of each model contains those qualifications an individual attains at the MOS-qualifying school. The highest tier of the progression model will contain those qualifications held by only the most experienced personnel within a unit.

3. The Combat Capable tier will, in most cases, be accomplished at the completion of initial MOS skills training. With successful completion of the combat capable tier, unit personnel are assigned basic MOS qualification and progress to the Combat Ready tier.

4. On the Combat Ready tier, qualifications that are normally made available to fairly inexperienced personnel will be delineated. This tier should take the individual who has completed initial MOS skills training and make him or her proficient in core competencies. With successful completion of the Combat Ready tier, unit personnel move to the Combat Qualification tier.

5. The Combat Qualification tier is the portion of training that produces combat leaders and fully qualified crewmembers. The personnel that are being trained in the combat qualification tier are those Marines a commanding officer feels are capable of directing the actions of subordinates during wartime scenarios.

6. The Full Combat Qualification tier contains special skills and qualifications "Core Plus" skills. These skills or qualifications are not prerequisite to combat qualification or the ability to function as combat leaders, but are those skills for which a certain number of trained individuals or crews must be maintained to accomplish special missions or tasks.

7. In some cases, higher echelon supervisory position training and qualifications may be reflected where the development of a separate T&R syllabus is not practical or warranted. These personnel are the most experienced personnel within a unit. They are expected to display the maturity and tactical acumen commensurate with this status on a daily basis, and assist the commanding officer with oversight of the unit training program.

8. The unit's training progression model provides training officers with a valuable tool to develop training plans. With a clear progression of qualifications delineated, and an emphasis on the qualification of "combat capable" and "combat ready" personnel, training officers have the ability to produce viable training plans. Units will use the model as a point of departure to generate weekly, monthly, quarterly and annual training plans.

### 305. SPECIAL DESIGNATIONS

Table 3-4.--EAF/F&ES Officer Special Designations.

WEEKS	COURSE / PHASE	ACTIVITY
52	FIRE OFFICER I	DoD FIRE SERVICES PROGRAM
52	FIRE OFFICER II	DoD FIRE SERVICES PROGRAM
52	FIRE OFFICER III	DoD FIRE SERVICES PROGRAM
52	FIRE OFFICER IV	DoD FIRE SERVICES PROGRAM
6	I.C. COMMAND CRS	DoD JOINT FIRE ACADEMY
7	WTI	MAWTS-1 MCAS YUMA, AZ
4	AQUISITION MGMT CRS	DEF SYS MGMT COL FORT BELVOIR

1. External academic course of instruction required to complete the syllabus is listed in table 3-5.

Table 3-5.--EAF/F&ES Officer External Academic Course.

COURSE / PHASE	ACTIVITY
MPF STAFF PLANNERS CRS	EWTLANT/PAC

310. TRAINING REFERENCES. Table 3-6 lists EAF/F&ES Officer training references, which shall be utilized to ensure safe and standardized training procedures, performance steps, grading criteria, and equipment operation.

Table 3-6.--EAF/F&ES Officer Training References.

TRAINING REFERENCE	TITLE
Air Task (NAVAIR form 3930/1)	Required Documents to Support The EAF Program
ANSI 288.5 (1981)	Practices for Respiratory Protection in the Fire Service
DODI 6055.6x	DOD Fire and Emergency Services Certification Program
DDR 06-IS-0048	Landing MAT Accessory: The Universal Clamp
DDR 51-2084	AM2 Matting & Accessory Requirements
IFSTA Manuals	International Fire Service Training Association Manuals
OH-TAVB	Aviation Logistics Support Ships
MAWTS WTI Course Catalog (Sect IV & V)	Reserve & SNCO AGS Course and the MAWTS-1 Generic Academic Support Package
MILSTRAP	Military Standard Transaction Reporting and Accounting Procedure
MILSTRIP	Military Standard Requisitioning and Issue Procedures
MCO 3500.12C	MC Aviation Weapons and Tactics Training Program
MCO 3500.67	Airfield Emergency Services T&R Manual (Interim)
MCO 3501.17	USMC Combat Readiness Evaluation Program
MCO 4700.15/1	Ground Equipment Record Procedures
MCO 5100.8	USMC Occupational Safety & Health Program
MCO P4400 Series	Intermediate-Level Supply Management Policy Manuals
MCO 4700.15/1	Ground Equipment Record Procedures
MCO P4790.2	Naval Aviation Maintenance Program (Vol. I-V)
MCO P7100.8	Field Budget Guidance Manual
MCWP 3-21.1	USMC Warfighting Pub for Aviation Ground Support
MRC/MIP: 5861/R35-33	Maintenance Requirement Card/Maintenance Index Page For M-21 Expeditionary Arresting Gear
MRC/MIP: 4922/RF8-34	MRC'S for FLOLS Setup
MRC/MIP: 5861/R36-10	MRC'S for Operation and Perform I Level Maintenance on MCEAG
NAEC-91-7824	Field Test and Inspection Procedures Required to Qualify for Certification or Re-certification of E-28 Recovery Systems
NAVAIR 51-5A-1	E-28 Certification Manual
NAVAIR 51-5EAA-2	M-21 Expeditionary Arresting Gear
NAVAIR 51-40ABA-7.1	Regulator Assembly, Constant Current, 4 & 15 KW
NAVAIR 51-40ABA-14	Fresnel Lens Optical Landing System
NAVAIR 51-60A-1	AM2 Airfield Mat and Accessories
NAVAIR 00-80R-14	NATOPS US Navy ARFF Manual
NAVAIR 00-80R-14-1	NATOPS US Navy Aircraft Emergency Rescue Info
NAVAIR 00-80R-19	NATOPS US Navy Crash & Salvage Ops (AFLOT)
NAVAIR 00-80R-20	NATOPS US Navy Crash & Salvage Ops (ASHORE)
NAVAIR 00-80T-115	EAF Forward Operating Base NATOPS Manual
NAVAIRINST 4444.10	Submission of Expeditionary Airfield Assets Report



TRAINING REFERENCE	TITLE
NAVAIRINST 13800-12B	Certification of Expeditionary Airfield, AM2 Mat, Aircraft Recovery Equipment and Visual Landing Aids
NAVICP 00-35T-37-4	Table of Basic Allowances
NAVSEA OP 5 (VOL-3)	Ammunition and Explosives Ashore
NAWCADLKE-MISC-48J200-0011	Expeditionary Airfield AM2 Mat
NAWCADLKE-MISC-48J200-0013	Cert & Re-Cert of M-21 Recovery System
NAWCADLKE-MISC-48J200-0021	Expeditionary Airfield Sub-grade Preparation
NAWCADLKE-MISC-48J200-0028	Expeditionary Airfield Capabilities Aboard BOARD Maritime ARITIME Prepositioning Force Ships
NFPA 472	Standards for Professional Competence of Responders to Hazardous Material
NFPA 1000 Series	Standards for Fire Service Professional Qualifications & Certification
NFPA 1041	Standards for Fire Service Instructor Professional Qualifications
NFPA 1500 Series	Standards on Fire Service OSHA Program and Occupational Safety and Health Standards
OPNAV 4790.2 Series	Naval Aviation Maintenance Program (NAMP)
OPNAVINST 5100.8	Navy Safety and OSHA Program
OPNAVINST 5100.23	Navy OSHA Program
OSHA 29 CFR 1910.120q	Hazardous Waist Operations and Emergency Response
SLRP	Surveillance Liaison Reconnaissance Party
T.O. 11A-1-46	Fire Fighting Guidance, Transportation and Storage Weapons of Mass Destruction Plans
TP-8022	Insensitive Munitions Characteristics of Air-Launched In Service Weapons
	American Heart Association CPR Standards
	American Red Cross CPR Standards
	ARFF SOP
	Blount Island Command SOP
	BRAAT SOP
	Crash Bill
	DOT EMS First Responder
	FAI/CGI Checklists
	Fire Bill
	Fleet Aviation Specialized Operational Training Group
	Group/Wing ARFF SOP (Local)
	Group/Wing Crash Bill (Local)
	Group/Wing Fire Bill SOP (Local)
	IFSTA Manuals
	Joint Chief of Staff WMD Handbook
	Local SOPs
	MPF Objectives Manual
	M-21 Aircraft Recovery Bulletin 45-12 Series
	Operational Plans
	TRI-MEF SOP

### 330. LIVE/SIMULATOR EVENT PERFORMANCE REQUIREMENTS

1. General. The majority of the EAF/F&ES Officer syllabus is ground training which requires in-depth integration within the MAW. Likewise, development of MAGTF training involving extensive integration with applicable elements of the MAGTF is mandatory in the development of a fully combat qualified EAF/F&ES Officer.

a. Live Training. Training event condition codes listed as L (live), L/S (live preferred/simulator optional), and S/L (simulator preferred/live optional) in this syllabus designate training to be conducted without the aid of simulator devices. Training not conducted in the live training environment shall be replaced with simulation where applicable, as indicated in the condition code.

b. Simulator Training. Training event condition codes listed as S (simulator), L/S (live preferred/simulator optional), and S/L (simulator preferred/live optional) in this syllabus designate training to be conducted in simulators when available and where applicable. Training not conducted in the simulators due to unavailability shall be replaced with live training where applicable as indicated in the condition code.

2. Minimum Performance Time for Syllabus "Write-Off"/Designations. Personnel may receive credit for successful completion of any syllabus requirement (except qualifications) upon either a written, oral, or practical demonstration of proficiency, at the commanding officer's discretion. Completion of 70 percent of any syllabus requirement (except qualifications) may be "certified" as complete at the discretion of the designated evaluator. Qualifications require a completed performance evaluation, and the designation signed by the commanding officer.

3. Evaluation of Training. Evaluation of those portions of the syllabus that are academic in nature will be conducted by either written/oral examination or a combination of the two means. Operational and system related subjects will be evaluated by practical application whenever possible. Performance evaluation to qualify for mission qualifications and designations will be conducted per MCO P3500.14, Aviation T&R Manual, Administrative, and the standardized evaluation forms located in the appendix to this syllabus.

### 331. COMPONENTS OF A T&R EVENT

1. General. An event contained within a T&R Manual is an individual or collective training standard and contains seven or eight components, dependent upon the tier in which it is contained:

1/ <u>POI-100</u>	2/ <u>64.0</u>	3/ <u>T,C,R</u>	4/ <u>E</u>	5/ <u>EQUIP</u>	6/ <u>L (NS)</u>
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Goal: The title of a unit of work which needs to be done in the performance of a Marine's duties. It is clearly stated performance-oriented action requiring learned skills and knowledge.

Requirement: The requirement(s) set for the real-world or combat circumstances in which the tasks are to be performed. They indicate what is provided (equipment, tools, materials, manuals, aids, etc.), environmental constraints or conditions under which the task is performed, and any specific cues or indicators to

which the performer must respond. When resources or safety requirements limit the conditions, this should be stated.

Performance Standard: The performance standard indicates the basis for judging the effectiveness of the performance. It consists of a carefully worded statement which identifies the proficiency level expected when the task is performed. It is not guidance - it is inviolate. Performance standards are specified in terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc.

Prerequisite: Provides a listing of academic training or other T&R events which must be completed prior to satisfying the task.

Reference: Listing of doctrinal or reference publications which may assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion.

Ordnance: A listing of Ordnance types and quantities required to satisfy the task.

External Syllabus Support: A listing or description of the external support requirements which may be required to satisfy completion of the task. May include range requirements, support aircraft, targets, training devices, or other personnel and equipment.

#### NOTES:

- 1/ Events are coded per Appendix B of MCO P3500.14, Aviation T&R Manual, Administrative.
- 2/ Projected Event Duration is furnished as a planning tool.
- 3/ Denotes the applicable Program of Instruction (Basic POI is understood). POI Codes: **T** = transition; **C** = conversion; **R** = refresher; **Z** = reserve.
- 4/ An "**E**" indicates an Evaluated event.
- 5/ The equipment or activity subcategory is listed.
- 6/ Condition Code: **L** = Live training; **S** = Simulator training; **L/S** = Live preferred/Simulator optional; **S/L** = Simulator preferred/Live optional; **N** = Night; **NS** = Night Vision Device. Where contained within ( ) denotes optional conditions.

#### 332. COMBAT CAPABLE TRAINING

1. Purpose. The purpose of the 100 level syllabus (entry-level) is to introduce the EAF/F&ES Officer to Firefighting Principles and Protection (Structural and Airport). Additionally, introduction to EAF training encompasses installment, operation, maintenance and the providing of MCEAG support. During this level of training the officer will become familiar with mission requirements and associated equipment required to provide emergency response services. The specific training events/instruction are in accordance with and governed by the latest approved Programs of Instruction conducted at both the Expeditionary Airfield Services School in Pensacola,

Florida and the Louis F. Garland Fire Academy, San Angelo, Texas.

2. Prerequisites. Fire Fighter applicants must be given, and pass, a physical examination, in accordance with NFPA 1582, prior to attending formal course.

### 333. COMBAT READY TRAINING

1. Purpose. The purpose of the 200 level is to train the EAF/F&ES Officer to apply the skills and information learned previously in the 100/entry level schools. The training will incrementally introduce task oriented training, resident schools, and acquisition of certifications.

#### a. General

(1) Administrative Notes. None.

(2) Prerequisites. None.

#### b. Crew Requirements. None.

c. Academic Training. During the course of 200-level training the officer will complete the Incident Command Course and MPF Staff Planning Course, and acquire Fire Officer II and III Certification and vehicle driving permit. Completion of courses and acquisition of Fire Officer II Certification will not exceed 24 months upon completing the DoD Joint Fire Fighting Academy. Acquisition of Fire Officer III Certification will not exceed 36 months.

#### d. Live and Simulator Event Training (27 Events, 463.0 Hours)

### 2. Maintenance Management

<u>MMGT-200</u>	<u>A/R</u>	<u>E</u>	<u>L</u>
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Goal. Supervise EAF organizational and intermediate level maintenance programs, to include production control, tool control, calibration, oil analysis, NDI, TPL, QA, and safety.

Requirements. With the aid of reference.

Performance Standard. Per the reference listed below.

Prerequisite. None.

#### Reference

- OPNAV 4790.2 Series

Ordinance. None.

External Syllabus Support. None.

### 3. Airfield Surfacing (EAF Surfacing Matting)

AM2-2018.0EL

Goal. Design an Expeditionary Airfield to support a force list.

Requirement. With the aid of references and given an aviation force list.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- DDR 06-IS-0048
- DDR 51-2084

Ordinance. None.

External Syllabus Support. None.

AM2-2028.0EL

Goal. Conduct a site survey for an EAF surfacing matting installation to support a force list.

Requirement. With the aid of references, a pre-determined site, and an aviation force list.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- DDR 06-IS-0048
- DDR 51-2084

Ordinance. None.

External Syllabus Support. Surveyor.

AM2-203A/REL

Goal. Supervise installation of EAF surfacing matting to support a force list.

Requirement. With the aid of references, necessary materials, tools, equipment, and an aviation force list.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- DDR 06-IS-0048
- DDR 51-2084

Ordnance. None.

External Syllabus Support. None.

AM2-204

A/R

E

L

Goal. Supervise the removal and repackaging of EAF surfacing matting accessories.

Requirement. At an existing EAF surfacing matting installation, given the necessary tools and equipment, and with the aid of references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-60A-1
- DDR 06-IS-0048
- DDR 51-2084

Ordnance. None.

External Syllabus Support. None.

4. Fresnel Lens Optical Landing System (TERMINAL GUIDANCE SYSTEM)

TGS-205

8.0

E

L

Goal. Survey and prepare site for the Terminal Guidance System installation.

Requirement. Given an existing airfield, with the aid of references, necessary material, tools and equipment.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-40ABA-14
- MRC/MIP: 4922/RF8-34

Ordnance. None.

External Syllabus Support. Surveyor.

5. Airfield Lighting

AFLM-206

A/R

E

L

Goal. Supervise the installation of EAF lighting components.

Requirement. With the aid of references, and as a Crewmember, given the necessary material, tools and equipment.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-40ABA-7.1

Ordnance. None.

External Syllabus Support. None.

6. Marine Corps Expeditionary Arresting Gear

MCEAG-207

A/R

E

L

Goal. Supervise the installation of Marine Corps Expeditionary Arresting gear.

Requirement. Given a pre-determined site, MCEAG system, and appropriate references.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10
- MRC/MIP: 5861/R35-33

Ordnance

- GW-67 (40 ea)
- ML-107/M-130 (40 ea)

External Syllabus Support

- Surveyor
- Heavy Equipment

MCEAG-208

A/R

E

L

Goal. Supervise operation of MCEAG.

Requirement. Given the appropriate references, an installed M-21/M-31 arresting gear site.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- M-21 Aircraft Recovery Bulletin 45-12 Series
- NAVAIR 51-5EAA-2
- MRC/MIP: 5861/R36-10
- MRC/MIP: 5861/R35-33

Ordnance. None.

External Syllabus Support. None.

MCEAG-209      A/R              E              L

Goal. Supervise the inspection and preparation of "M" series packages.

Requirement. Given the appropriate references and MCEAG packages.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- NAVAIR 51-5EAA-2

Ordinance. None.

External Syllabus Support. None.

#### 7. Maritime Pre-positioning Force (MPF)

MPF-210      1.0              E              L

Goal. Identify EAF/ARFF assets and capabilities aboard MPS.

Requirement. Given the MPF Objectives Manual.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAWCADLKE-MISC-48J200-0028
- MPF Objectives Manual

Ordinance. None.

External Syllabus Support. None.

#### 8. NATOPS

NATOPS-211      3.0                              L

Goal. Supervise a Hazardous Material level response.

Requirement. Given a hazardous material incident and appropriate equipment.

Performance Standard. Per the references listed below.

Prerequisite. None.

References



- 3-19



- (a) CPR Program.
- (b) Multi-Media First Aid Program.
- (c) Respiratory Protection Program.
- (d) Preventive Maintenance Program.
- (e) SCBA Maintenance Program.
- (f) Fire Hose Maintenance Program.
- (g) Hydrostatic Test Program.
- (h) Halon Reclaim/Recharge Program.
- (i) ARFF Vehicles Licensing Program.
- (j) Fire Inspection/Safety Program.
- (k) DOD Firefighter Certification Programs.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- DODI 6055.6x
- NFPA 1000 Series
- IFSTA Manuals
- OPNAVINST 5100.8
- OPNAVINST 5100.23
- NAVAIR 00-80R-14
- MCO 5100.8
- ANSI 288.5 (1981)
- Local SOP

Ordinance. None.

External Syllabus Support. None.

ADMIN-217      10.0      L

Goal. Prepare and submit budget requirements to acquire and maintain ARFF equipment.

Requirement. Provided with historical, current, and future budget requirements.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- MCO P7100.8
- Local SOP

Ordinance. None.

External Syllabus Support. None.

10. Operations

OPS-218      2.0      L

Goal. Supervise aircraft emergencies and suppression of aircraft fires.

Requirement. As the Incident Commander, given the properly equipped personnel, fire fighting assets, and a scenario involving an aircraft emergency and/or fire.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80R-14-1
- NFPA 1500 Series
- IFSTA Manuals

Ordinance. None.

External Syllabus Support. None.

OPS-219

2.0

L

Goal. Supervise structural emergencies and suppression of structural fires.

Requirement. As the Incident Commander, given the properly equipped personnel, fire fighting assets, and a scenario involving a structural emergency and/or fire.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80R-14-1
- NFPA 1500 Series
- IFSTA Manuals

Ordinance. None.

External Syllabus Support. None.

OPS-220

2.0

L

Goal. Establish ARFF/Structural personnel and equipment requirements at a Forward Operating Base.

Requirement. Given the ACE Commander's concept of operations, airfield category, T/O and T/E.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-14
- NAVAIR 00-80T-115

Ordinance. None.

External Syllabus Support. None.

OPS-221

2.0

L

Goal. Establish ARFF organization procedures for Base Recovery After Attack (BRAAT).

Requirement. Given the ACE Commander's list of priorities, BRAAT organization, and concept of operations.

Performance Standard. Per the reference listed below.

Prerequisite. None.

Reference

- BRAAT SOP

Ordinance. None.

External Syllabus Support. None.

## 11. Training.

TRNG-223

32.0

Goal. Obtain Fire Instructor I certification.

Requirement. Complete as required.

Performance Standard. Per the reference listed below.

Prerequisites

- (1) All required records and reports to be used.
- (2) Policies and procedures for processing records and reports.

Reference

- NFPA 1041

Ordinance. None.

External Syllabus Support. None.

TRNG-224

24.0

Goal. Obtain Fire Instructor II certification.

Requirement. Complete as required.

Performance Standard. Per the reference listed below.

Prerequisite

- (1) Fire Instructor I certification.

Reference

- NFPA 1041

Ordinance. None.

External Syllabus Support. None.

TRNG-225      64.0

Goal. Obtain Fire Officer I certification.

Requirement. Complete as required.

Performance Standard. Per the reference listed below.

Prerequisite

- (1) Fire Fighter II certification.

Reference

- NFPA 1000 Series

Ordinance. None.

External Syllabus Support. None.

TRNG-226      240.0

Goal. Attend and complete WTI.

Requirement. Be capable of operating and performing as an Wing/Group/MEF Air Operations Officer and/or EAFO Op Planner.

Performance Standard. Per the references listed below.

Prerequisites

- (1) Security Clearance classification of "Secret" (minimum).
- (2) Assigned or designated, in a 7002 billet, for no less than 24 months.

References

- MCO 3500.12c
- MAWTS WTI Course Catalog (Sect IV & V)

Ordinance. None.

External Syllabus Support. None.

TRNG-227      40.0

Goal. Attend and complete Naval Aviation Maintenance Officers Course.

Requirement. Complete as required.

Performance Standard. As required by the NAMOC POI.

Prerequisite. None.

Reference

- Fleet Aviation Specialized Operational Training Group

Ordinance. None.

External Syllabus Support. None.

### 334. COMBAT QUALIFICATION TRAINING

1. Purpose. The purpose of the 300-level phase of training is to introduce the EAF/F&ES Officer to integration concepts and concerns that would be encountered in a contingency environment. Advanced operational planning and fiscal requirements are also introduced.

a. General

(1) Administrative Notes. None.

(2) Prerequisite. None.

b. Crew Requirements. None.

c. Academic Training. During the course of 300-level training the officer will complete Weapons and Tactics Instructors (WTI) Course and acquire Fire Officer IV Certification. Completion of WTI and acquisition of Fire Officer IV Certification will not exceed 48 months upon completing the DOD Joint Fire Fighting Academy.

d. Live and Simulator Event Training (21 Events, 252.0 Hours)

### 2. Expeditionary Airfield Operations

OPS-300      3.0              E              L

Goal. Coordinate personnel and equipment requirements in support of current operational plans.

Requirement. Given an Operational Plan, Time Phased Force Deployment Data (TPFDD) and Training, Exercise and Employment Plan (TEEP).

Performance Standard. None.

Prerequisite. None.

Reference. None.

Ordinance. None.

External Syllabus Support. None.

OPS-301      8.0            E            L

Goal. Manage EAF assets distribution and accountability through validation of EAF assets report.

Requirement. Given the EAF assets report and Table of Basic Allowances.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVICP 00-35T-37-4
- NAVAIRINST 4444.10

Ordinance. None.

External Syllabus Support. None.

3. Fiscal Management

OM&N-302      3.0            E            L

Goal. Identify fiscal requirements to support the EAF program.

Requirement. Given an Air Task, fiscal input and a local TEEP.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- Air Task (NAVAIR form 3930/1)
- Local TEEP

Ordinance. None.

External Syllabus Support. None.

4. Survey Liaison and Reconnaissance Party (SLRP)

SLRP-303      40.0            E            L

Goal. Participate as a member of a SLRP and conduct a site survey of an airfield and determine EAF requirements.

Requirement. As a member of a SLRP and given a SLRP checklist and concept of operations.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80T-115
- SLRP checklist



Ordnance. None.

External Syllabus Support. None.

#### 5. Airfield Surfacing (EAF SURFACING MATTING)

AM2-304      24.0            E                    L

Goal. Coordinate logistic support for installation and maintenance of EAF Surfacing matting.

Requirement. Given the commander's intent and per local SOP.

Performance Standard. Per the reference listed below.

Prerequisite. None.

##### Reference

- Local SOP

Ordnance. None.

External Syllabus Support. None.

#### 6. Training

TRNG-305      24.0            E                    L

Goal. Monitor EAF unit training to ensure compliance with established programs and stated mission objectives.

Requirement. Given Training and Readiness standards and current SAV/FAI checklists.

Performance Standard. Per the references listed below.

Prerequisite. None.

##### References

- MCO 3500.67

Ordnance. None.

External Syllabus Support. None.

TRNG-306      24.0            E                    L

Goal. Monitor ARFF unit training to ensure compliance with established programs and stated mission objectives.

Requirement. Given Training and Readiness standards and current SAV/FAI checklists.

Performance Standard. Per the references listed below.

Prerequisite. None.

##### References

- MCO 3500.67

Ordinance. None.

External Syllabus Support. None.

## 7. Logistics

LOG-307      8.0              E              L

Goal. Coordinate logistics support for EAF systems installation, operation and maintenance.

Requirement. Given the commander's intent and in accordance with local SOP.

Performance Standard. Per the reference listed below.

Prerequisite. None.

### Reference

- Local SOP

### Ordinance

- GW-67 (40 ea)
- ML-107/M-130 (40 ea)

External Syllabus Support. None.

## 8. Expeditionary Certification

CERT-308      8.0              E              L

Goal. Perform an "Expeditionary Certification of EAF Surfacing Systems."

Requirement. Having installed one of the following:

- (a) EAF surfacing matting.
- (b) M21 arresting gear.
- (c) Fresnel Lens Optical Landing System.

### OR

- (d) Airfield marking and lighting, and with the assistance of Expeditionary Airfield Services unit representatives.

Performance Standard. Per the references listed below.

Prerequisite. None.

### References

- NAVAIR 51-5EAA-2
- NAVAIRINST 13800.12B
- NAWCADLKE MISC-48J200-0021
- NAWCADLKE MISC-48J200-0011
- NAWCADLKE MISC-48J200-0013

- NAVAIR 51-60A-1
- NAVAIR 51-5A-1
- NAVAIR 51-40-ABA-14

Ordinance. None.

External Syllabus Support

- Expeditionary Airfield Services unit representatives

CERT-309

8.0

E

L

Goal. Request and perform an "Expeditionary Certification of MCEAG Systems."

Requirement. Having installed one of the following:

- (a) EAF surfacing matting.
- (b) M21 arresting gear.
- (c) Fresnel Lens Optical Landing System.
- OR
- (d) Airfield marking and lighting, and with the assistance of Expeditionary Airfield Services unit representatives.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- NAVAIRINST 13800.12B
- NAWCADLKE MISC-48J200-0021
- NAWCADLKE MISC-48J200-0011
- NAWCADLKE MISC-48J200-0013
- NAVAIR 51-60A-1
- NAVAIR 51-5A-1
- NAVAIR 51-40-ABA-14

Ordinance. None.

External Syllabus Support

- Expeditionary Airfield Services unit representatives

CERT-310

8.0

E

L

Goal. Perform an "Expeditionary Certification of an EAF Terminal Guidance System."

Requirement. Having installed one of the following:

- (a) EAF surfacing matting.
- (b) M21 arresting gear.
- (c) Fresnel Lens Optical Landing System.
- OR
- (d) Airfield marking and lighting, and with the assistance of Expeditionary Airfield Services unit representatives.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- NAVAIRINST 13800.12B
- NAWCADLKE MISC-48J200-0021
- NAWCADLKE MISC-48J200-0011
- NAVAIR 51-60A-1
- NAVAIR 51-5A-1
- NAVAIR 51-40-ABA-14

Ordinance. None.

External Syllabus Support

- Expeditionary Airfield Services unit representatives

CERT-311

8.0

E

L

Goal. Perform an "Expeditionary Certification of EAF Marking and Lighting."

Requirement. Having installed one of the following:

- (a) EAF surfacing matting.
- (b) M21 arresting gear.
- (c) Fresnel Lens Optical Landing System.
- OR
- (d) Airfield marking and lighting, and with the assistance of Expeditionary Airfield Services unit representatives.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- NAVAIRINST 13800.12B
- NAWCADLKE MISC-48J200-0021
- NAWCADLKE MISC-48J200-0011
- NAVAIR 51-60A-1
- NAVAIR 51-5A-1
- NAVAIR 51-40-ABA-14

Ordinance. None.

External Syllabus Support

- Expeditionary Airfield Services unit representatives

CERT-312

8.0

E

L

Goal. Perform an "Expeditionary Certification of EAF High Power Turn Up System."

Requirement. Having installed one of the following:

- (a) EAF surfacing matting.
- (b) MCEAG arresting gear.
- (c) Fresnel Lens Optical Landing System.

OR

- (d) Airfield marking and lighting, and with the assistance of Expeditionary Airfield Services unit representatives.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 51-5EAA-2
- NAVAIRINST 13800.12B
- NAWCADLKE MISC-48J200-0021
- NAWCADLKE MISC-48J200-0011
- NAVAIR 51-60A-1
- NAVAIR 51-5A-1
- NAVAIR 51-40-ABA-14

Ordinance. None.

External Syllabus Support

- Expeditionary Airfield Services unit representatives

9. Salvage

SAL-313      4.0                      L

Goal. Supervise aircraft salvage operations.

Requirement. As the Incident Commander, given the properly equipped personnel, salvage assets, and a scenario involving aircraft salvage.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- NAVAIR 00-80R-19
- NAVAIR 00-80R-20

Ordinance. None.

External Syllabus Support

- Heavy equipment support with associated rigging equipment

10. Administrative Procedures/Requirements

ADMIN-314      2.0                      L





14. TrainingTRNG-319      40.0LGoal. Obtain Fire Officer II certification.Requirement. Complete as required.Performance Standard. Per the references listed below.Prerequisite

- (1) Fire Officer I certification.
- (2) Fire Instructor I certification.

Reference

- NFPA 1000 Series
- NFPA 1041

Ordinance. None.External Syllabus Support. None.TRNG-320      64.0LGoal. Obtain Fire Officer III certification.Requirement. Complete as required.Performance Standard. Per the reference listed below.Prerequisite

- (1) Fire Instructor II certification.

Reference

- NFPA 1041

Ordinance. None.External Syllabus Support. None.335. FULL COMBAT QUALIFICATION TRAINING

1. Purpose. The purpose of the 400-level phase of training is to introduce the EAF/F&ES Officer to integration concepts and concerns that would be encountered in a joint operational environment. This level of training will prepare the EAF/F&ES Officer for special assignment to MARFORLANT/PAC, ASL, and/or NAVAIRSYSCOM Billets.

a. General(1) Administrative Notes. None.(2) Prerequisite. Graduate the Weapon & Tactics Instructors Course.



b. Crew Requirements. None.

c. Academic Training. Prior to assignment, or within six months of assignment to a NAVAIR billet, the officer must attend the Acquisition Management Course at the Defense Systems Management College, Fort Belvoir, VA.

d. Live and Simulator Event Training (5 Events, 4.0 Hours)

1. Maritime Pre-Positioning Force (MPF)

MPF-400      A/R

Goal. Coordinate the employment and maintenance of EAF/ARFF assets within MPF.

Requirement. Given MPF objectives and the commander's intent.

Performance Standard. Per the references listed below.

Prerequisite. None.

References

- MPF Objectives Manual
- NAWCADLKE-MISC-48J200-0028

Ordinance. None.

External Syllabus Support. None.

2. Certification

CERT-401      A/R

Goal. Authorize expeditionary gear certification, approve /disapprove certification and review certification reports.

Requirement. In support of training/contingency operations.

Performance Standard. In accordance with the appropriate certification manual and the reference listed below.

Prerequisite. None.

Reference

- NAEC-91-7824.

Ordinance. None.

External Syllabus Support

- Surveyor
- Heavy Equipment

### 3. Planning

PLAN-402      4.0              E              L

Goal. Plan FOB support for Joint/NATO and Coalition forces.

Requirement. Given Commanders Intent and force list.

Performance Standard. In accordance with the appropriate references, design a FOB that will sustain a given force list. Planning will encompass utilization of all EAF subsystems to include integration of the 13 functions of AGS i.e., ARFF, Fuels, and Air Operations etc.

Prerequisite.

- (1) Be assigned as the MWSG/MAW/MARFOR Expeditionary Airfield and Fire and Emergency Services Officer/Chief.

#### References

- MCWP 3-21.1
- NATOPS 00-80R-14
- NATOPS 00-80R-115
- DODI 6055.6x
- NAVSEA OP 5 (VOL-3)

Ordinance. In relation to ASP/MSA's for planning purposes.

#### External Syllabus Support

- MAWTS WTI Course Catalog (Sect IV & V)
- MPS Staff Planners Course

### 4. Weapons of Mass Destruction

WMD-403      A/R

Goal. Establish/update SOP for response to CBRNE incidents.

Requirement. Given commanders intent and threat levels.

Performance Standard. Complete as directed.

Prerequisite. None.

#### Reference

- Joint Chiefs of Staff WMD Handbook

Ordinance. None.

#### External Syllabus Support.

- DTRAC-3 Course

5. TrainingTRNG-404      A/RGoal.    Obtain Fire Officer IV certification.Requirement.    Complete as directed.Performance Standard.    Per the reference listed below.Prerequisite

(1) Fire Officer III certification.

Reference

- NFPA 1000 Series

Ordinance.    None.External Syllabus Support.    None.

370. PROFICIENCY INTERVALS. Tables 3-7 thru 3-9 list the proficiency intervals for the Combat Readiness, Combat Qualification, and Full Combat Qualification training levels for the EAF/F&ES Officer, MOS 7002.

**NOTE:** *Level 100 training will be conducted at both the Expeditionary Airfield Services School, Pensacola, Florida and/or the Louis F. Garland Fire Academy, San Angelo, Texas as outlined by the school's most current approved POI.*

Table 3-7.--EAF/F&ES Officer Proficiency Interval For The  
Combat Readiness Training Level.

EVENT	CODE	HOURS	PROFICIENCY INTERVAL	CRP	R	E	CONDITIONS & REMARKS
MMGT	200	A/R	NONE	1.0		X	L
AM-2	201	8.0	NONE	1.0		X	L
	202	8.0	NONE	1.0		X	L
	203	A/R	NONE	.5		X	L
	204	A/R	NONE	1.0		X	L
TGS	205	8.0	NONE	.5		X	L
AFLM	206	A/R	NONE	.5		X	L
MCEAG	207	A/R	NONE	.5		X	L
	208	A/R	NONE	.5		X	L
	209	A/R	NONE	.5		X	L
MPF	210	1.0	NONE	1.0		X	L
NATOPS	211	3.0	NONE	.5			L
	212	2.0	NONE	.5			L
	213	4.0	NONE	.5		X	L
ADMIN	214	6.0	NONE	.5		X	L
	215	10.0	NONE	1.0			L
	216	2.0	NONE	.5		X	L
	217	2.0	NONE	.5			L
OPS	218	3.0	12	1.0	X		L
	219	2.0	12	.5	X		L
	220	2.0	12	.5	X		L

EVENT	CODE	HOURS	PROFICIENCY INTERVAL	CRP	R	E	CONDITIONS & REMARKS
	221	2.0	NONE	.5			L
TRNG	223	32.0	NONE	1.0			
	224	24.0	NONE	1.0			
	225	64.0	NONE	1.0			
	226	240.0	NONE	1.5			
	227	40.0	NONE	1.0			
<b>TOTAL</b>	<b>27</b>	<b>463.0</b>		<b>20%</b>			

Table 3-8.--EAF/F&ES Officer Proficiency Interval For The  
Combat Qualification Training Level.

EVENT	CODE	HOURS	PROFICIENCY INTERVAL	CRP	R	E	CONDITIONS & REMARKS
OPS	300	3.0	NONE	.5		X	L
	301	8.0	NONE	.5		X	L
OM&N	302	3.0	NONE	.5		X	L
SLRP	303	4.0	NONE	.5		X	L
AM2	304	24.0	NONE	1.0		X	L
TRNG	305	24.0	NONE	1.0		X	L
	306	24.0	NONE	1.0		X	L
LOG	307	8.0	NONE	.5		X	L
CERT	308	8.0	NONE	1.0		X	L
	309	8.0	NONE	1.0		X	L
	310	8.0	NONE	1.0		X	L
	311	8.0	NONE	1.0		X	L
	312	8.0	NONE	1.0		X	L
SAL	313	4.0	NONE	.5			L
ADMIN	314	2.0	NONE	.4			L
OPS	315	1.0	NONE	.4			L
NATOPS	316	1.0	NONE	.4			L
PLAN	317	1.0	NONE	.4			L
INSP	318	1.0	NONE	.4			L
TRNG	319	40.0	NONE	1.0			L
	320	64.0	NONE	1.0			L
<b>TOTAL</b>	<b>21</b>	<b>252.0</b>		<b>15%</b>			

Table 3-9.--EAF/F&ES Officer Proficiency Interval For The  
Full Combat Qualification.

EVENT	CODE	HOURS	PROFICIENCY INTERVAL	CRP	R	E	CONDITIONS & REMARKS
MPF	400	A/R	NONE	1.0			
CERT	401	A/R	NONE	1.0			
PLAN	402	4.0	12	1.0	X	X	L
WMD	403	A/R	NONE	1.0			
TRNG	404	A/R	NONE	1.0			
<b>TOTAL</b>	<b>5</b>	<b>4.0.</b>		<b>5%</b>			

380. EVENT UPDATE CHAINING. Table 3-10 lists the event update chaining for EAF/F&ES Officer, MOS 7002.

Table 3-10.--EAF/F&ES Officer Event Update Chaining

EVENTS	EVENTS UPDATED
216	214
220	202
224	223
225	219,223
300	220
301	210
302	217
303	202,210
308	307
309	307
310	307
311	307
312	307,308
316	211
319	214,215,216,217,218,219,223,224,225,300,306,313,314,315 317,318
320	211,212,213,214,215,216,217,218,219,223,224,225,300,306 313,314,315,317,318,319
400	210,215,300,301,304,307
402	210,202,210,213,220,314
403	211,213,215,220,221,314,316,317
404	211,212,213,214,215,216,217,218,219,223,224,225,300,306 313,314,315,317 318,319,320